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MEAT FACTS

1989 EDITION

AMERICAN MEAT INSTITUTE

Meatfacts 1989

This is the nineteenth annual edition of MEATFACTS, a statistical summary of the U.S. meat industry.

The tables and graphs on the following pages provide an overview of both past trends and the current situation in the livestock and meat sector, including:

— Livestock supplies and prices
— Livestock marketing and receipts
— Slaughter and meat production
— Meat nutrition profiles
— Meat consumption and prices
— Consumer expenditures on food and meat
— Meat trends at retail
— Industry financial profiles
— Industry employment and wages
— Foreign meat trade

Several developments in 1988 and so far in 1989 bode well for the meat industry as it prepares to enter a new decade: The overall decline in red meat demand appears to have stabilized over the last year or so and, in the pork area, there are solid indications that demand is increasing; Retail beef prices have responded to supply shortfalls with more vigor than might have been expected after the flat to down trend that characterized most of the decade; And the export value of meat and meat products surpassed the value of imports for the first time ever last year.

The near term outlook for livestock and meat supplies remains similar to what was reported here last year. Cattle numbers are at or near their cyclical low and beef supplies will remain tight for the next several years as producers hold back cattle to expand herd sizes. On the pork side, poor producer returns have likely slowed herd expansion, with the result that pork supplies could be slightly smaller next year.

The American Meat Institute hopes MEATFACTS '89 proves useful in promoting a better understanding of the American meat industry.

C. Manly Molpus
President
American Meat Institute
August, 1989

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Cattle, Sheep and Hogs on Farms January 1, 1925–89 And Total U.S. Resident Population July 1, 1925–89

	CATTLE AND CALVES	SHEEP AND LAMBS	HOGS[1]	TOTAL RESIDENT POPULATION
		1,000 Head		Millions
1925	63,373	38,543	55,570	115.8
1930	61,003	51,565	55,705	123.1
1935	68,846	51,808	39,066	127.3
1940	68,309	52,107	61,165	132.0
1945	85,573	46,520	59,373	132.5
1950	77,963	29,826	58,937	151.9
1951	82,083	30,633	62,269	154.0
1952	88,072	31,982	62,117	156.4
1953	94,241	31,900	51,755	159.0
1954	95,679	31,356	45,114	161.9
1955	96,592	31,582	50,474	165.1
1956	95,900	31,157	55,354	168.1
1957	92,860	30,654	51,897	171.2
1958	91,176	31,217	51,517	174.1
1959	93,322	32,606	58,045	177.1
1960	96,236	33,170	59,026	180.0
1961	97,700	32,725	55,560	183.0
1962	100,369	30,969	61,837	185.8
1963	104,488	29,176	62,726	188.5
1964	107,903	27,116	62,060	191.1
1965	109,000	25,127	56,106	193.5
1966	108,862	24,734	50,519	195.6
1967	108,783	23,953	57,125	197.5
1968	109,371	22,223	58,818	199.4
1969	110,015	21,350	60,829	201.4
1970	112,369	20,423	57,046	204.0
1971	114,578	19,731	67,285	206.8
1972	117,862	18,739	62,412	209.3
1973	121,539	17,641	59,017	211.4
1974	127,788	16,310	60,614	213.3
1975	132,028	14,515	54,693	215.5
1976	127,980	13,311	49,267	217.6
1977	122,810	12,722	54,934	219.8
1978	116,375	12,421	56,539	222.1
1979	110,864	12,365	60,356	224.6
1980	111,192	12,687	67,318	227.3
1981	114,321	12,936	64,462	229.6
1982	115,604	12,966	58,698	232.0
1983	115,199	12,026	54,534	234.3
1984	113,700	11,487	56,694	236.5
1985	109,749	10,443	54,073	238.7
1986	105,468	9,983	52,313	241.1
1987	102,000	10,334	50,920	243.4
1988	99,524	10,784	54,620	245.8
1989	99,484	10,802	55,299	248.2*

Source: U.S. Departments of Agriculture and Commerce
[1]Beginning in 1962 figures are for Dec. 1 of previous year
*Revised

Cattle and Calves, Sheep and Lambs on Farms January 1, 1969, and Hogs December 1, 1968, by State

STATE	CATTLE & CALVES	SHEEP & LAMBS	ALL HOGS
		1,000 Head	
PACIFIC			
Washington	1,300	74	53
Oregon	1,390	475	100
California	4,700	940	120
Alaska	9	3	1
Hawaii	208	N.A.	43
MOUNTAIN			
Montana	2,350	568	245
Idaho	1,620	287	80
Wyoming	1,330	837	21
Colorado	2,750	825	220
New Mexico	1,350	516	26
Arizona	880	284	130
Utah	770	503	33
Nevada	490	87	15
NORTH CENTRAL			
Ohio	1,760	246	2,210
Indiana	1,290	95	4,300
Illinois	1,950	140	5,600
Michigan	1,225	115	1,250
Wisconsin	4,130	84	1,275
Minnesota	2,940	263	4,690
Iowa	4,750	415	13,900
Missouri	4,500	125	2,850
South Dakota	3,480	590	1,760
North Dakota	1,600	164	340
Nebraska	5,400	169	4,050
Kansas	5,900	262	1,500
SOUTH CENTRAL			
Kentucky	2,500	32	1,090
Tennessee	2,300	10	1,050
Alabama	1,800	N.A.	345
Mississippi	1,390	N.A.	237
Arkansas	1,750	N.A.	540
Louisiana	1,075	17	60
Oklahoma	5,200	136	240
Texas	13,700	1,900	560
NORTH ATLANTIC			
New England[1]	606	65	67
New York	1,584	81	151
New Jersey	75	15	38
Pennsylvania	1,920	134	970
SOUTH ATLANTIC			
Delaware	29	N.A.	33
Maryland	328	35	170
Virginia	1,670	158	400
West Virginia	500	82	37
North Carolina	850	13	2,700
South Carolina	610	N.A.	450
Georgia	1,500	N.A.	1,210
Florida	2,025	N.A.	140
TOTAL U.S.	**99,484**	**10,802**	**55,299**

Number of Operations with Livestock, by State and Species, 1987–88

	NUMBER OF OPERATIONS							
	Cattle		Milk Cows		Hogs		Sheep	
STATE	1987	1988	1987	1988	1987	1988	1987	1988
NORTH ATLANTIC								
New England[1]	14,090	13,690	6,800	6,500	5,280	5,260	3,060	3,100
New York	25,000	24,000	14,500	14,200	4,600	4,400	2,100	2,100
New Jersey	2,000	2,000	550	500	650	650	750	800
Pennsylvania	46,000	44,000	18,500	17,500	10,500	9,500	4,700	4,700
NORTH CENTRAL								
Ohio	43,000	42,000	10,100	9,500	14,500	15,000	7,100	7,200
Indiana	41,000	38,000	6,400	5,700	15,000	16,000	4,600	3,800
Illinois	38,000	36,000	5,000	4,600	15,500	17,200	5,100	5,000
Michigan	26,000	24,000	7,000	7,000	7,000	7,000	2,500	2,500
Wisconsin	60,000	58,000	37,000	36,000	10,500	10,300	3,000	2,800
Minnesota	46,000	43,000	19,000	17,000	16,500	16,500	4,800	4,800
Iowa	61,000	61,000	9,500	9,000	39,000	41,000	11,000	12,000
Missouri	92,000	87,000	9,500	9,000	18,000	17,000	3,700	3,500
South Dakota	24,000	23,000	4,600	4,000	7,000	7,500	5,000	4,800
North Dakota	16,000	15,600	2,500	2,400	2,600	2,600	1,900	1,800
Nebraska	33,000	32,000	4,100	3,900	13,000	12,500	3,400	3,500
Kansas	43,000	42,000	2,600	2,600	6,900	6,500	2,000	2,000
SOUTH ATLANTIC								
Delaware	700	680	200	180	420	370	N.A.	N.A.
Maryland	7,900	7,900	2,000	2,000	1,800	1,800	1,000	1,100
Virginia	38,000	37,000	4,500	4,500	8,500	7,500	3,000	3,000
West Virginia	16,500	16,000	2,900	2,700	3,200	3,000	2,800	2,700
North Carolina	34,000	34,000	3,800	3,500	13,500	14,000	600	500
South Carolina	17,000	17,000	1,900	2,000	11,500	11,000	N.A.	N.A.
Georgia	34,000	33,000	1,700	1,700	8,600	9,100	N.A.	N.A.
Florida	21,000	21,000	1,200	1,200	5,000	5,000	N.A.	N.A.
SOUTH CENTRAL								
Kentucky	60,000	59,000	7,500	7,000	13,000	12,500	1,100	1,200
Tennessee	70,000	68,000	6,200	5,600	15,000	16,000	550	550
Alabama	40,000	39,000	1,300	1,300	8,000	7,500	N.A.	N.A.
Mississippi	31,000	30,000	1,900	1,900	10,000	8,600	N.A.	N.A.
Arkansas	34,000	34,000	2,000	2,000	2,700	2,800	N.A.	N.A.
Louisiana	24,000	23,500	2,800	2,800	3,400	3,500	1,200	1,200
Oklahoma	64,000	62,000	4,000	3,800	6,000	6,000	2,500	2,700
Texas	146,000	144,000	6,500	6,500	13,000	14,000	8,500	8,400
MOUNTAIN								
Montana	15,700	15,700	2,500	2,300	2,000	2,000	2,900	3,100
Idaho	17,000	17,000	3,200	2,800	1,900	2,500	2,500	2,500
Wyoming	5,400	5,600	700	700	400	400	1,400	1,400
Colorado	15,500	15,000	2,000	1,800	2,300	2,500	2,700	2,800
New Mexico	9,000	9,000	1,200	1,200	1,100	1,100	1,400	1,200
Arizona	5,000	4,800	800	750	650	600	550	500
Utah	8,600	8,500	2,000	1,900	900	900	2,200	2,100
Nevada	1,700	1,700	400	400	180	180	300	300
PACIFIC								
Washington	22,000	23,000	3,000	3,000	3,200	3,400	2,200	2,200
Oregon	26,000	25,000	3,400	2,900	3,200	2,600	4,800	5,100
California	33,000	33,000	5,000	4,900	5,000	5,100	6,000	6,500
Alaska	180	170	60	60	40	40	30	40
Hawaii	800	800	90	90	600	600	N.A.	N.A.
TOTAL U.S.	**1,408,070**	**1,370,640**	**232,400**	**220,880**	**331,620**	**333,500**	**114,840**	**115,490**

Livestock Prices Received by Farmers, U.S. Averages for All Grades

	BEEF CATTLE	CALVES	HOGS	LAMBS
	Dollars Per 100 Pounds			
1925	$ 6.53	$ 8.59	$10.90	$12.40
1930	7.71	9.68	8.84	7.76
1935	6.04	7.16	8.65	7.28
1940	7.56	8.83	5.39	8.10
1945	12.10	13.00	14.00	13.10
1950	23.30	26.30	18.00	25.10
1951	28.70	32.00	20.00	31.00
1952	24.30	25.80	17.80	24.30
1953	16.30	16.70	21.40	19.30
1954	16.00	16.50	21.60	19.10
1955	15.60	16.70	15.00	18.40
1956	14.90	16.00	14.40	18.50
1957	17.20	18.70	17.80	19.90
1958	21.90	25.20	19.60	21.00
1959	22.60	26.70	14.10	18.70
1960	20.40	22.90	15.30	17.90
1961	20.20	23.70	16.60	15.80
1962	21.30	25.10	16.30	17.80
1963	19.90	24.00	14.90	18.10
1964	18.00	23.00	14.80	19.90
1965	19.90	22.10	20.60	22.80
1966	22.20	26.00	22.80	23.40
1967	22.30	26.30	18.90	22.10
1968	23.40	27.60	18.50	24.40
1969	26.20	31.50	22.20	27.20
1970	27.10	34.50	22.70	26.40
1971	29.00	36.40	17.50	25.90
1972	33.50	44.70	25.10	29.10
1973	42.80	56.60	38.40	35.10
1974	35.60	35.20	34.20	37.00
1975	32.30	27.20	46.10	42.10
1976	33.70	34.20	43.30	46.90
1977	34.40	36.90	39.40	51.30
1978	48.50	59.10	46.60	62.70
1979	66.00	88.80	41.80	66.70
1980	62.40	76.80	38.00	63.60
1981	58.60	64.00	43.90	54.90
1982	56.70	59.80	52.30	53.10
1983	55.50	61.70	46.80	53.90
1984	57.30	59.90	47.10	60.10
1985	53.70	62.10	44.00	67.70
1986	52.60	61.10	49.30	69.00
1987	61.10	78.50	51.20	77.60
1988	66.60	89.20	42.30	69.10

Source: U.S. Department of Agriculture

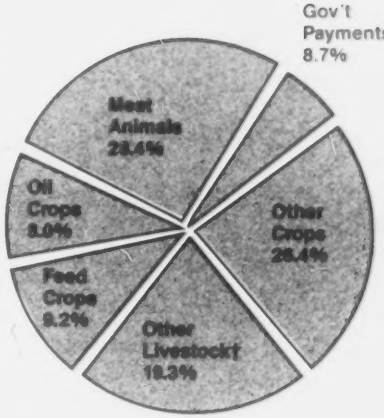
Average Prices Received for Livestock, by State, 1988

STATE	STEERS & HEIFERS	COWS	BARROWS & GILTS	SOWS
	Dollars Per 100 Pounds			
Alabama	$70.70	$46.20	$42.00	$31.60
Alaska	73.00	51.00	81.00	75.00
Arizona	69.80	45.20	47.30	36.00
Arkansas	75.90	46.10	40.50	31.00
California	70.40	46.70	47.20	27.70
Colorado	72.50	49.10	45.30	33.10
Connecticut	60.00	45.00	42.00	31.00
Delaware	68.30	48.60	43.20	32.00
Florida	70.70	47.80	40.00	30.10
Georgia	70.20	46.90	42.10	31.30
Hawaii	49.20	33.20	77.50	47.00
Idaho	66.60	45.40	42.30	28.30
Illinois	69.50	46.00	43.30	32.90
Indiana	65.70	44.90	42.70	30.80
Iowa	70.20	46.10	43.90	32.70
Kansas	73.10	48.60	42.50	30.60
Kentucky	72.70	44.30	43.40	31.90
Louisiana	71.30	45.40	37.50	29.50
Maine	60.00	48.00	42.00	31.00
Maryland	68.30	48.60	43.20	32.00
Massachusetts	59.00	45.00	42.00	31.00
Michigan	64.00	45.80	42.90	30.30
Minnesota	67.60	45.60	43.60	32.50
Mississippi	71.80	46.80	43.10	33.00
Missouri	77.10	48.80	43.10	32.90
Montana	77.80	46.40	37.60	27.90
Nebraska	71.30	47.30	43.60	32.80
Nevada	69.70	42.70	34.60	29.90
New Hampshire	59.00	46.00	47.00	31.00
New Jersey	61.40	45.80	41.50	33.30
New Mexico	72.80	47.20	42.40	31.40
New York	53.20	44.10	41.60	29.10
North Carolina	64.00	48.30	42.70	31.50
North Dakota	78.30	45.60	41.40	29.60
Ohio	68.60	45.70	42.70	32.60
Oklahoma	77.10	45.80	42.80	32.00
Oregon	75.00	45.20	44.70	32.00
Pennsylvania	66.40	45.50	44.60	31.40
Rhode Island	60.00	45.00	42.00	31.00
South Carolina	71.20	46.70	42.70	31.10
South Dakota	73.90	47.30	43.60	32.40
Tennessee	71.10	44.20	42.80	31.80
Texas	71.80	46.10	42.80	32.10
Utah	68.40	44.70	41.10	27.40
Vermont	61.00	47.00	42.00	31.00
Virginia	72.90	44.30	42.60	31.30
Washington	68.30	45.30	41.40	26.00
West Virginia	73.00	43.90	42.70	32.40
Wisconsin	64.20	45.50	42.20	30.10
Wyoming	79.90	51.20	42.30	33.20
U.S.	**71.40**	**46.30**	**43.30**	**32.10**

Source: U.S. Department of Agriculture

Cash Receipts from Farm Marketings of Meat Animals, by State, 1988

RANK	STATE	CATTLE AND CALVES	HOGS	SHEEP AND LAMBS	TOTAL
		Millions of Dollars			
1	Texas	$ 4,936.5	$ 99.1	$ 64.6	$ 5,100.2
2	Nebraska	4,412.1	669.9	10.9	5,092.9
3	Iowa	2,007.0	2,415.6	25.0	4,447.6
4	Kansas	3,804.0	260.2	13.1	4,077.3
5	Colorado	2,275.2	35.0	44.9	2,355.1
6	Oklahoma	1,799.3	39.5	4.5	1,843.3
7	Illinois	811.8	1,023.7	6.2	1,841.7
8	Minnesota	956.7	749.7	12.9	1,719.3
9	South Dakota	1,361.4	310.6	35.1	1,707.1
10	California	1,613.8	22.1	66.5	1,702.4
11	Missouri	839.4	510.3	3.9	1,353.6
12	Wisconsin	850.6	226.9	4.3	1,081.8
13	Indiana	339.5	716.6	3.3	1,059.4
14	Ohio	401.3	376.6	10.6	788.5
15	Montana	693.3	30.6	19.3	743.2
16	New Mexico	719.8	4.5	13.0	737.3
17	North Dakota	651.1	43.0	8.0	702.1
18	Kentucky	537.9	150.6	1.6	690.1
19	Idaho	659.5	10.4	17.2	687.1
20	Tennessee	528.3	132.9	.6	661.8
21	North Carolina	152.9	444.2	.3	597.4
22	Arizona	518.4	23.6	12.5	554.5
23	Wyoming	506.0	4.5	30.3	540.8
24	Pennsylvania	406.9	115.6	3.2	525.7
25	Washington	513.1	7.9	3.9	524.9
26	Arkansas	424.3	86.5	*	510.8
27	Alabama	452.7	46.7	*	499.4
28	Virginia	419.7	67.5	5.4	492.6
29	Georgia	280.3	178.3	*	458.6
30	Michigan	258.9	193.7	4.6	457.2
31	Florida	372.4	19.0	*	391.4
32	Oregon	328.0	19.3	16.9	364.2
33	Utah	266.7	3.5	16.1	286.3
34	Mississippi	231.6	39.4	*	271.0
35	Louisiana	232.7	4.6	*	237.3
36	New York	201.0	16.0	1.9	218.9
37	South Carolina	140.8	50.2	*	191.0
38	Nevada	112.5	1.9	2.9	117.3
39	Maryland	67.2	30.9	.9	99.0
40	West Virginia	57.2	5.7	3.2	66.1
41	Vermont	41.8	1.0	.6	43.4
42	Hawaii	28.0	8.4	*	36.4
43	Maine	22.0	.9	.7	23.6
44	New Jersey	16.3	1.6	.8	18.7
45	Connecticut	13.4	.5	.4	14.3
46	Delaware	3.3	9.6	*	12.9
47	New Hampshire	10.4	.9	.4	11.7
48	Massachusetts	5.9	3.5	.5	9.9
49	Rhode Island	1.3	.4	*	1.7
50	Alaska	1.2	.1	*	1.3
	Total U.S.	$36,285.5	$9,213.6	$473.4	$45,972.5



Cash Receipts from Farming, 1988

†Includes dairy products, poultry and eggs

Source: U.S. Department of Agriculture

*Less than 50,000

Totals may not add due to rounding

Livestock Marketings, by State, 1988

STATE	ALL CATTLE	CALVES	HOGS & PIGS	SHEEP & LAMBS
		1,000 Head		
Alabama	590	229	516	N.A.
Alaska	2	N.A.	N.A.	N.A.
Arizona	720	92	215	184
Arkansas	631	242	976	N.A.
California	2,119	303	270	786
Colorado	2,810	120	342	586
Connecticut	19	20	7	6
Delaware	5	3	111	N.A.
Florida	239	795	280	N.A.
Georgia	362	343	1,879	N.A.
Hawaii	57	5	60	N.A.
Idaho	851	122	117	311
Illinois	1,022	175	9,552	111
Indiana	512	184	7,219	60
Iowa	2,706	80	22,505	346
Kansas	4,762	1	2,493	190
Kentucky	733	465	1,562	28
Louisiana	193	349	87	6
Maine	32	25	10	14
Maryland	81	61	365	19
Massachusetts	10	22	36	9
Michigan	355	61	1,998	64
Minnesota	1,250	160	7,595	175
Mississippi	292	308	405	N.A.
Missouri	962	813	5,100	66
Montana	1,094	280	369	349
Nebraska	5,493	70	6,656	188
Nevada	121	95	28	58
New Hampshire	14	10	9	8
New Jersey	14	24	51	13
New Mexico	1,157	200	52	235
New York	230	635	186	33
North Carolina	198	150	4,532	7
North Dakota	657	515	536	139
Ohio	548	165	3,591	187
Oklahoma	2,942	123	348	71
Oregon	400	172	186	288
Pennsylvania	512	355	1,148	48
Rhode Island	2	2	4	N.A.
South Carolina	204	62	531	N.A.
South Dakota	1,483	410	2,960	483
Tennessee	863	362	1,480	13
Texas	7,330	225	873	1,008
Utah	298	111	39	303
Vermont	51	110	9	10
Virginia	589	120	702	91
Washington	657	80	89	61
West Virginia	36	168	44	67
Wisconsin	1,061	670	2,308	60
Wyoming	807	156	44	620
U.S.	**48,076**	**10,248**	**90,476**	**7,334**

Source: U.S. Department of Agriculture
N.A. = Not Available
Totals may not add due to rounding

Number of Feedlots and Cattle Marketed, by Feedlot Capacity, 1988

	Under 1,000	1,000 to 8,000	8,000 to 16,000	16,000 to 32,000	32,000 & Over	Total
	Number of Feedlots					
Arizona	8	*	*	5	5	18
California	10	21	11	10	7	59
Colorado	133	128	16	9	9	295
Iowa	11,235	265	*	*	*	11,500
Kansas	1,615	190	54	27	14	1,900
Nebraska	8,740	398	43	14	5	9,200
Texas	637	52	44	36	31	800
7 Major States	22,378	1,054	168	101	71	23,772
% of Total	94.1	4.4	.7	.4	.3	100.0
13 States[1]	40,991	1,280	198	113	80	42,662
% of Total	96.1	3.0	.5	.3	.2	100.0
	Cattle Marketed, Thousand Head					
Arizona	15	*	*	109	304	428
California	2	57	158	187	446	850
Colorado	25	385	200	420	1,400	2,430
Iowa	1,115	565	*	*	*	1,680
Kansas	60	491	1,046	1,179	1,379	4,155
Nebraska	1,200	1,860	1,000	600	460	5,120
Texas	30	235	850	1,390	2,730	5,035
7 Major States	2,447	3,593	3,054	3,885	6,719	19,698
% of Total	12.4	18.2	15.5	19.7	34.1	100.0
13 States[1]	3,676	4,128	3,464	4,468	7,603	23,339
% of Total	15.8	17.7	14.8	19.1	32.6	100.0

Source: U.S. Department of Agriculture

**Numbers included with other size groups to avoid disclosing individual operations*

[1]Principal cattle feeding states include 7 major states and ID, IL, MN, OK, SD and WA

Composition of Commercial Cattle Slaughter, 1960–88

Year	Steers & Heifers		Cows	Bulls & Stags	Total	Steers & Heifers		Cows	Bulls & Stags
	Fed	Nonfed				Fed	Nonfed		
	Thousand Head					Percent			
1960	13,496	5,602	5,773	353	25,224	53.5%	22.2%	22.9%	1.4%
1961	14,545	5,585	5,179	326	25,635	56.7	21.8	20.2	1.3
1962	15,365	4,981	5,453	284	26,083	58.9	19.1	20.9	1.1
1963	16,844	4,914	5,229	245	27,232	61.9	18.0	19.2	.9
1964	18,261	5,681	6,524	352	30,818	59.3	18.4	21.2	1.1
1965	18,851	4,920	8,074	502	32,347	58.2	15.2	25.0	1.6
1966	20,551	5,101	7,556	519	33,737	60.9	15.1	22.4	1.5
1967	21,847	4,796	6,757	469	33,869	64.5	14.2	20.0	1.4
1968	23,668	3,972	6,843	543	35,026	67.6	11.3	19.5	1.6
1969	24,911	2,824	6,920	582	35,237	70.7	8.0	19.6	1.6
1970	25,725	2,606	6,116	578	35,025	73.5	7.4	17.5	1.6
1971	26,127	2,450	6,375	633	35,585	73.4	6.9	17.9	1.8
1972	27,728	1,414	5,992	645	35,779	77.5	4.0	16.7	1.8
1973	26,083	680	6,248	676	33,687	77.5	2.0	18.5	2.0
1974	23,994	4,484	7,514	820	36,812	65.2	12.2	20.4	2.2
1975	21,260	6,997	11,557	1,097	40,911	52.0	17.1	28.2	2.7
1976	25,125	5,912	10,619	998	42,654	58.9	13.9	24.9	2.3
1977	25,969	5,120	9,864	903	41,856	62.0	12.2	23.6	2.2
1978	27,850	2,434	8,470	798	39,552	70.4	6.2	21.4	2.0
1979	25,566	1,553	5,930	629	33,678	75.9	4.6	17.6	1.9
1980	24,004	2,745	6,334	724	33,807	71.0	8.1	18.7	2.2
1981	23,818	3,717	6,643	775	34,953	68.2	10.6	19.0	2.2
1982	24,902	2,769	7,354	818	35,843	69.5	7.7	20.5	2.3
1983	25,752	2,492	7,597	808	36,649	70.3	6.8	20.7	2.2
1984	25,758	2,414	8,621	789	37,582	68.5	6.5	22.9	2.1
1985	26,155	1,990	7,390	758	36,293	72.1	5.5	20.4	2.1
1986	26,117	2,496	7,961	714	37,288	70.0	6.7	21.4	1.9
1987	26,286	2,062	6,610	689	35,647	73.7	5.8	18.5	1.9
1988	26,675	1,423	6,337	644	35,079	76.0	4.1	18.1	1.8

Source: U.S. Department of Agriculture

Livestock Slaughter and Meat Production, 1925–1988

	SLAUGHTER (Thousand Head)				MEAT PRODUCTION (Million Pounds)				
	Cattle	Calves	Sheep & Lambs	Hogs	Beef	Veal	Lamb & Mutton	Pork	Total
1925	14,704	9,936	15,430	65,508	6,878	989	603	8,128	16,598
1930	12,056	7,761	21,125	67,272	5,917	792	825	8,482	16,016
1935	14,805	9,632	22,000	46,011	6,608	1,023	877	5,919	14,427
1940	14,958	9,089	21,571	77,610	7,175	981	876	10,044	19,076
1945	21,694	13,657	24,639	71,891	10,276	1,664	1,054	10,697	23,691
1950	18,614	10,501	13,244	79,263	9,534	1,230	597	10,714	22,075
1955	26,587	12,864	16,553	81,051	13,569	1,578	758	10,990	26,895
1960	26,029	8,615	16,240	84,150	14,753	1,109	768	11,607	28,237
1961	26,471	8,080	17,537	81,970	15,327	1,044	832	11,408	28,611
1962	26,911	7,857	17,168	83,424	15,324	1,015	808	11,827	28,974
1963	28,070	7,204	16,147	87,117	16,456	929	770	12,427	30,582
1964	31,678	7,632	14,895	86,284	18,456	1,013	715	12,513	32,697
1965	33,171	7,788	13,300	76,458	18,727	1,020	651	11,141	31,539
1966	34,173	5,863	13,004	75,382	19,726	910	650	11,339	32,625
1967	34,297	6,110	13,035	83,420	20,219	792	646	12,581	34,238
1968	35,418	5,616	12,120	86,417	20,880	734	602	13,064	35,280
1969	35,573	5,011	10,923	84,968	21,148	637	550	12,955	35,326
1970	35,356	4,203	10,801	87,052	21,652	588	551	13,426	36,217
1971	35,905	3,825	10,965	95,648	21,868	546	555	14,783	37,752
1972	36,134	3,201	10,525	85,865	22,381	458	543	13,617	36,999
1973	34,102	2,404	9,799	77,890	21,277	357	514	12,751	34,899
1974	37,353	3,175	9,064	83,083	23,138	486	465	13,805	37,894
1975	41,464	5,406	8,047	69,880	23,976	873	410	11,503	36,762
1976	43,199	5,527	6,911	74,959	25,969	853	371	12,415	39,608
1977	42,381	5,692	6,555	78,442	25,279	834	351	13,247	39,711
1978	39,970	4,302	5,543	78,417	24,242	632	309	13,393	38,576
1979	34,005	2,927	5,189	90,179	21,446	434	293	15,450	37,623
1980	34,116	2,679	5,742	97,174	21,644	400	318	16,615	38,977
1981	35,265	2,886	6,197	92,475	22,389	436	338	15,875	39,038
1982	36,158	3,106	6,643	82,844	22,536	448	365	14,229	37,578
1983	36,974	3,162	6,792	88,084	23,241	454	376	15,202	39,272
1984	37,892	3,367	6,900	85,641	23,596	495	380	14,812	39,283
1985	36,593	3,455	6,300	84,938	23,728	514	357	14,805	39,404
1986	37,568	3,478	5,762	79,956	24,371	524	337	14,063	39,296
1987	35,890	2,902	5,312	81,422	23,566	429	316	14,374	38,682
1988	35,324	2,565	5,392	88,136	23,590	395	335	15,684	40,004

Source: U.S. Department of Agriculture

U.S. Livestock Slaughter and Meat Production, 1987–88

LIVESTOCK SLAUGHTER

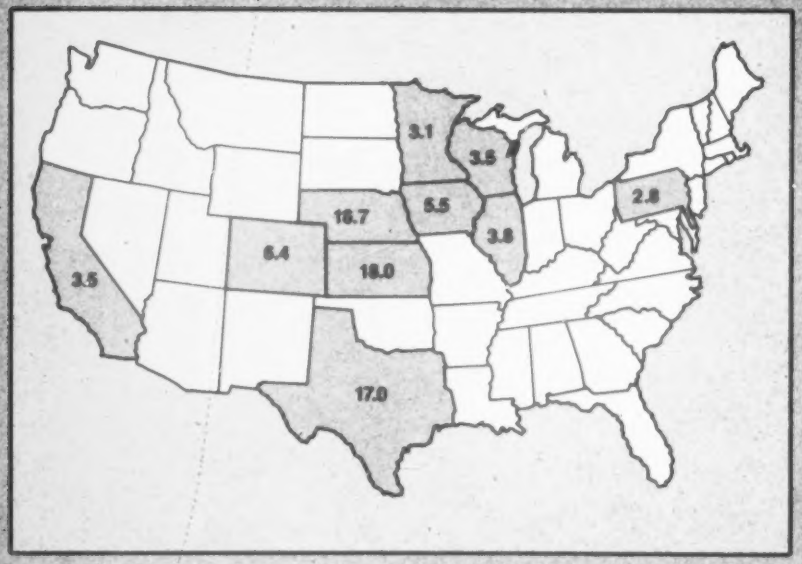
SPECIES AND CLASS OF SLAUGHTER	1987 NUMBER OF HEAD Thousands	1987 NUMBER OF HEAD % of Total	1987 AVERAGE LIVE WT.	1988 NUMBER OF HEAD Thousands	1988 NUMBER OF HEAD % of Total	1988 AVERAGE LIVE WT.
CATTLE						
Federally Inspected	34,468	96.0%	1,109	34,048	96.4%	1,124
Other Commercial	1,179	3.3	987	1,031	2.9	1,002
Farm	243	.7	N.A.	245	.7	N.A.
Total	35,890	100.0	N.A.	35,324	100.0	N.A.
CALVES						
Federally Inspected	2,680	92.4	239	2,411	94.0	251
Other Commercial	135	4.6	439	95	3.7	441
Farm	87	3.0	N.A.	59	2.3	N.A.
Total	2,902	100.0	N.A.	2,565	100.0	N.A.
HOGS						
Federally Inspected	78,913	96.9	248	85,517	97.0	249
Other Commercial	2,168	2.7	233	2,278	2.6	232
Farm	341	.4	N.A.	341	.4	N.A.
Total	81,422	100.0	N.A.	88,136	100.0	N.A.
SHEEP AND LAMBS						
Federally Inspected	5,041	94.9	120	5,122	95.0	124
Other Commercial	158	3.0	99	171	3.2	103
Farm	112	2.1	N.A.	99	1.8	N.A.
Total	5,312	100.0	N.A.	5,392	100.0	N.A.

MEAT PRODUCTION

KIND OF MEAT AND CLASS OF SLAUGHTER	1987 DRESSED WEIGHT Mil. Lbs.	1987 DRESSED WEIGHT % of Total	1987 AVERAGE DRESS WT.	1988 DRESSED WEIGHT Mil. Lbs.	1988 DRESSED WEIGHT % of Total	1988 AVERAGE DRESS WT.
BEEF						
Federally Inspected	22,746	96.5%	662	22,837	96.8%	673
Other Commercial	659	2.8	589	588	2.5	600
Farm	161	.7	563	165	.7	602
Total	23,566	100.0	359	23,590	100.0	671
VEAL						
Federally Inspected	382	89.0	145	362	91.6	153
Other Commercial	34	7.9	266	24	6.1	269
Farm	13	3.1	224	9	2.3	215
Total	429	100.0	152	395	100.0	157
PORK						
Federally Inspected	13,954	97.1	177	15,250	97.2	179
Other Commercial	358	2.5	166	373	2.4	167
Farm	62	.4	181	61	.4	181
Total	14,374	100.0	176	15,684	100.0	179
LAMB AND MUTTON						
Federally Inspected	302	95.6	60	320	95.5	63
Other Commercial	8	2.5	50	9	2.7	52
Farm	6	1.9	54	6	1.8	53
Total	316	100.0	60	335	100.0	63

Slaughter and Number of Plants, by Species and State, 1988

STATE	CATTLE		CALVES		HOGS		SHEEP & LAMBS	
	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*
Alabama†	261.4	—	.5	—	222.9	8	.2	3
Arizona†	432.0	—	8.2	—	18.0	4	1.4	4
Arkansas	46.3	46	.6	12	270.3	49	.9	30
California	1,214.6	44	174.2	25	2,137.0	—	785.4	—
Colorado	2,248.8	36	.1	—	152.5	—	1,279.1	31
Delaware-Maryland†	49.4	—	23.9	—	240.4	—	19.4	—
Florida†	173.5	—	113.0	6	92.3	—	1.2	—
Georgia†	203.4	—	15.8	—	1,195.7	25	1.0	11
Hawaii†	57.0	4	—	—	43.6	—	1.6	—
Idaho	760.9	27	.7	—	115.8	—	4.6	19
Illinois†	1,321.0	—	145.1	6	7,943.5	20	318.8	--
Indiana†	159.1	12	223.6	4	4,308.4	13	12.6	—
Iowa†	1,920.1	11	—	—	24,892.6	22	566.3	—
Kansas†	6,306.6	12	.2	3	1,920.2	—	435.8	—
Kentucky	110.5	35	.6	14	2,761.5	40	11.1	20
Louisiana†	36.4	—	65.8	4	65.4	—	5.5	—
Michigan	394.4	66	69.5	39	4,918.1	60	256.9	—
Minnesota	1,098.6	43	2.2	—	4,589.0	41	395.4	—
Mississippi†	127.0	—	35.2	—	1,879.8	—	—	—
Missouri	397.8	103	5.1	—	4,014.8	95	15.1	—
Montana	18.2	27	.1	9	30.3	26	2.6	26
Nebraska	5,850.7	54	—	4	4,848.1	37	2.5	—
Nevada	2.3	7	1.2	—	2.4	5	2.3	—
New England[1]	68.4	44	106.4	41	52.3	37	32.2	43
New Jersey	98.9	—	92.0	19	77.7	—	43.7	17
New Mexico†	125.7	6	—	—	6.0	—	103.7	—
New York	175.6	76	439.0	—	63.4	66	96.8	68
North Carolina†	132.3	—	2.0	—	2,861.3	—	.7	8
North Dakota	162.0	—	.3	4	81.0	—	.9	18
Ohio†	423.9	19	141.1	10	3,008.4	17	25.2	10
Oklahoma†	124.1	16	2.9	—	149.2	15	2.2	11
Oregon	54.6	34	13.2	—	176.2	32	7.4	28
Pennsylvania	979.5	203	274.7	147	1,678.5	—	100.9	169
South Carolina†	107.8	—	10.7	—	630.9	—	.2	—
South Dakota†	584.8	7	.1	—	4,004.8	—	3.4	—
Tennessee	173.9	51	9.2	—	2,007.3	58	1.1	24
Texas†	5,957.3	54	125.8	14	924.1	—	542.4	—
Utah†	474.8	—	.4	—	261.5	—	23.4	—
Virginia†	65.3	20	2.4	13	4,815.2	23	11.4	—
Washington	911.2	—	56.1	15	18.2	20	163.5	—
West Virginia†	19.7	—	.2	—	24.6	—	.7	—
Wisconsin†	1,241.8	12	343.7	11	283.4	10	9.0	6
Wyoming†	7.3	—	—	—	7.9	—	4.4	—
Total U.S.	**35,078.9**	**1,252**	**2,505.8**	**603**	**87,794.5**	**1,150**	**5,292.9**	**877**



Top 10 Cattle Slaughtering States, by Percentage of Commercial Cattle Slaughter, 1988

Top 10 Hog Slaughtering States, by Percentage of Commercial Hog Slaughter, 1988

Number of Livestock Slaughtering Plants, January 1, 1988 and 1989, by State

STATE	JANUARY 1, 1988			JANUARY 1, 1989		
	Federally Inspected Plants	Other Plants	Total	Federally Inspected Plants	Other Plants	Total
NORTH ATLANTIC						
New England[1]	43	57	100	43	53	96
New York	77	11	88	74	9	83
New Jersey	20	8	28	20	7	27
Pennsylvania	216	65	281	214	62	276
NORTH CENTRAL						
Ohio	29	230	259	29	212	241
Indiana	18	136	154	18	115	133
Illinois	28	166	194	29	183	212
Michigan	74	35	109	68	35	103
Wisconsin	17	176	193	16	150	166
Minnesota	44	190	234	45	176	221
Iowa	27	277	304	29	241	270
Missouri	105	135	240	99	135	234
South Dakota	8	101	109	9	99	108
North Dakota	21	49	70	22	47	69
Nebraska	96	143	199	54	141	195
Kansas	15	161	176	16	161	167
SOUTH ATLANTIC						
Delaware/Maryland	19	41	60	11	40	51
Virginia	24	67	91	25	67	92
West Virginia	2	55	57	2	50	52
North Carolina	21	80	101	23	91	114
South Carolina	7	44	51	7	43	50
Georgia	27	104	131	27	102	129
Florida	7	80	87	8	82	90
SOUTH CENTRAL						
Kentucky	40	58	98	43	58	101
Tennessee	61	67	128	56	61	117
Alabama	8	151	159	9	150	159
Mississippi	9	80	89	9	73	82
Arkansas	48	37	85	49	34	83
Louisiana	5	116	121	4	116	120
Oklahoma	17	128	145	18	115	133
Texas	62	224	286	61	210	271
MOUNTAIN						
Montana	26	16	42	24	15	39
Idaho	25	11	36	25	9	34
Wyoming	1	35	36	2	31	33
Colorado	39	17	56	36	17	53
New Mexico	7	26	33	7	26	33
Arizona	5	23	28	6	23	29
Utah	13	22	35	14	22	36
Nevada	6	0	6	7	0	7
PACIFIC						
Washington	25	4	29	26	4	30
Oregon	33	14	47	32	15	47
California	48	0	48	44	41	85
Hawaii	4	15	19	4	14	18
TOTAL U.S.	1,387	3,453	4,840	1,364	3,325	4,689

Source: U.S. Department of Agriculture

[1]*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut*

Livestock Slaughter Shares by Company Size[1], 1974–88

Size Group	Steers & Heifers[2]	Cows & Bulls[2]	All Cattle	Calves	Hogs	Sheep & Lambs
	Percent of Commercial Slaughter					
4 Largest Companies						
1974%	26.0%	11.8%	20.9%	23.6%	32.7%	55.7%
1975	25.3	10.5	19.3	24.6	33.1	57.5
1976	25.1	11.3	19.6	25.3	32.3	53.6
1977	26.9	9.6	20.2	25.0	32.6	52.8
1978	29.6	10.0	22.9	28.2	34.4	56.4
1979	34.5	9.7	27.9	30.5	33.7	64.2
1980	35.7	9.7	28.4	31.0	33.6	55.9
1981	39.6	9.6	31.4	28.6	33.3	52.5
1982	41.4	9.0	32.0	27.8	35.8	43.6
1983	46.6	10.3	36.0	28.2	29.1	43.8
1984	49.5	11.0	37.2	28.8	35.0	48.9
1985	50.3	17.2	39.0	31.1	32.2	51.2
1986	55.1	18.4	42.3	26.5	32.5	54.3
1987	67.1	20.0	53.9	30.4	36.6	75.1
1988[3]	69.7	18.4	56.6	32.6	33.5	76.1
8 Largest Companies						
1974	38.5	18.8	31.3	37.8	48.8	74.8
1975	37.6	17.8	29.3	37.1	49.8	76.0
1976	36.2	18.7	28.6	37.2	48.5	75.4
1977	39.5	16.0	30.5	38.9	50.9	74.0
1978	41.2	17.6	32.5	41.9	52.8	77.5
1979	47.8	17.5	39.1	45.8	50.9	84.5
1980	51.4	18.4	41.3	44.9	50.9	82.8
1981	53.8	18.4	43.1	41.6	49.0	79.5
1982	56.1	17.1	43.8	41.8	53.2	73.6
1983	57.7	19.1	44.5	42.4	46.0	73.8
1984	60.5	19.4	45.5	42.5	53.1	76.0
1985	63.8	27.0	49.6	42.6	50.6	79.4
1986	68.2	28.9	52.9	38.0	53.6	80.6
1987	75.9	30.5	62.7	42.2	55.3	87.6
1988[3]	79.7	30.1	65.9	45.4	52.2	87.1
12 Largest Companies						
1974	45.0	24.1	37.1	46.2	55.9	83.5
1975	46.0	23.2	35.6	44.7	58.2	86.2
1976	42.5	23.9	34.3	45.6	58.4	86.7
1977	47.0	21.1	36.3	45.6	59.4	83.8
1978	48.3	23.7	38.1	48.8	60.8	86.1
1979	54.3	24.5	44.4	54.1	58.5	91.4
1980	58.0	25.3	46.5	52.6	59.9	91.0
1981	61.7	26.2	49.5	48.9	57.1	84.8
1982	63.2	25.0	49.6	49.2	63.5	82.5
1983	63.9	26.2	50.1	49.5	56.9	84.6
1984	67.6	26.2	53.2	49.8	66.8	87.5
1985	70.4	34.5	56.4	50.1	66.2	90.6
1986	74.2	35.9	59.5	48.0	69.0	86.9
1987	79.6	38.4	67.6	51.3	68.4	90.4
1988[3]	83.7	38.4	70.4	54.9	64.2	89.4

Source: U.S. Department of Agriculture

[1]Slaughter operations are combined on the basis of ownership and/or control.

[2]Commercial slaughter estimated from federally inspected slaughter.

[3]Preliminary

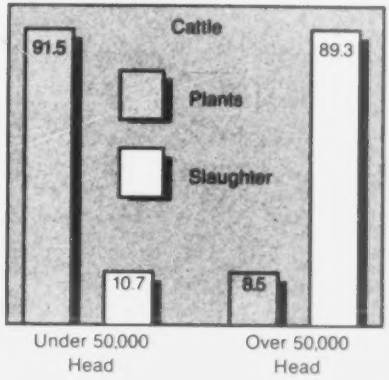
Federally Inspected Slaughter Plants, by Species and by Size, 1988

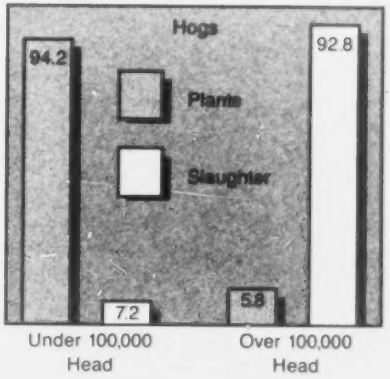
SIZE GROUPS	PLANTS		SLAUGHTER	
	Number	Percent of Total	Thous. Head	Percent of Total*
CATTLE				
Under 1,000	876	70.0%	255	.7%
1,000–9,999	184	14.7	666	1.9
10,000–49,999	86	6.9	1,927	5.5
50,000–499,999	87	6.9	14,003	39.9
500,000 and over	19	1.5	17,317	49.4
Total	1,252	100.0		
CALVES				
Under 100	444	73.6	6	.2
100–9,999	107	17.7	196	7.8
10,000 and over	52	8.6	2,229	89.0
Total	603	100.0		
HOGS				
Under 1,000	783	68.1	236	.3
1,000–9,999	206	17.9	611	.7
10,000–99,999	94	8.2	3,999	4.6
100,000–999,999	34	3.0	14,143	16.1
1,000,000 and over	33	2.9	67,367	76.7
Total	1,150	100.0		
SHEEP AND LAMBS				
Under 100	621	70.8	20	.4
100–999	176	20.1	51	1.0
1,000–9,999	60	6.8	191	3.6
10,000 and over	20	2.3	4,907	92.7
Total	877	100.0		

Source: U.S. Department of Agriculture

*Percent of U.S. commercial slaughter
Totals may not add due to rounding

Percent of F.I. Plants and Slaughter by Size of Plant





Large Plants—Number and Slaughter, 1979–88

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CATTLE—50,000 or more										
Number of Plants	153	149	129	134	135	136	116	114	113	106
Percent of all F.I. Plants	10.4%	10.6%	8.3%	8.9%	8.9%	9.1%	8.1%	8.3%	8.6%	8.5%
Slaughter, ths. head	26,140	27,030	27,572	28,697	29,961	31,305	30,532	31,815	30,826	31,320
Percent of Commercial Slaughter	77.6%	80.0%	78.9%	80.0%	81.8%	83.3%	84.1%	85.3%	90.7%	89.3%
HOGS—100,000 or more										
Number of Plants	114	115	110	101	104	99	72	79	87	67
Percent of all F.I. Plants	9.3%	9.3%	7.9%	7.5%	7.8%	7.4%	5.5%	6.3%	7.4%	5.8%
Slaughter, ths. head	82,291	87,880	83,095	74,449	80,351	77,676	74,612	72,444	74,135	61,510
Percent of Commercial Slaughter	92.4%	91.5%	90.7%	90.7%	91.8%	91.2%	88.3%	91.0%	94.9%	92.8%

Source: U.S. Department of Agriculture

Top 25 Meat Companies (Ranked by 1988 Sales)

1. **IBP, Inc.**
   Dakota City, NE
2. **ConAgra, Inc.**
   Omaha, NE
3. **Excel Corporation**
   Wichita, KS
4. **Sara Lee Corporation**
   Memphis, TN
5. **Oscar Mayer Foods Corp.**
   Madison, WI
6. **Geo. A. Hormel & Co.**
   Austin, MN
7. **John Morrell & Company**
   Cincinnati, OH
8. **Swift Independent Packing Co., Inc.**
   Greeley, CO
9. **BeefAmerica, Inc.**
   Omaha, NE
10. **Swift-Eckrich, Inc.**
    Oakbrook, IL
11. **Wilson Foods Corp.**
    Oklahoma City, OK
12. **Idle Wild Foods, Inc.**
    Worcester, MA
13. **Smithfield Foods, Inc.**
    Smithfield, VA
14. **FDL Foods, Inc.**
    Dubuque, IA
15. **American Foods Group, Inc.**
    Green Bay, WI
16. **Farmstead Foods**
    Albert Lea, MN
17. **Thorn Apple Valley, Inc.**
    Southfield, MI
18. **Packerland Packing Co., Inc.**
    Green Bay, WI
19. **Farmland Foods, Inc.**
    Kansas, City, MO
20. **Moyer Packing Co.**
    Souderton, PA
21. **Hypiains Dressed Beef, Inc.**
    Dodge City, KS
22. **Rymer Foods, Inc.**
    Chicago, IL
23. **Fresh Mark, Inc.**
    Massillon, OH
24. **Tama Meat Packing, Inc.**
    Tama, IA
25. **Utica Packing Co.**
    Utica, MI

Source: Meat & Poultry *magazine*

Top 10 Steer & Heifer Slaughterers in 1988 (Ranked Alphabetically)

1. Beef America Inc.
2. ConAgra, Inc.
3. Excel Corporation
4. Hyplains Dressed Beef, Inc.
5. IBP, Inc.
6. Sam Kane Beef Processors, Inc.
7. John Morrell & Company
8. National Beef Packing Company
9. Packerland Packing Company, Inc.
10. Sunland Beef Company

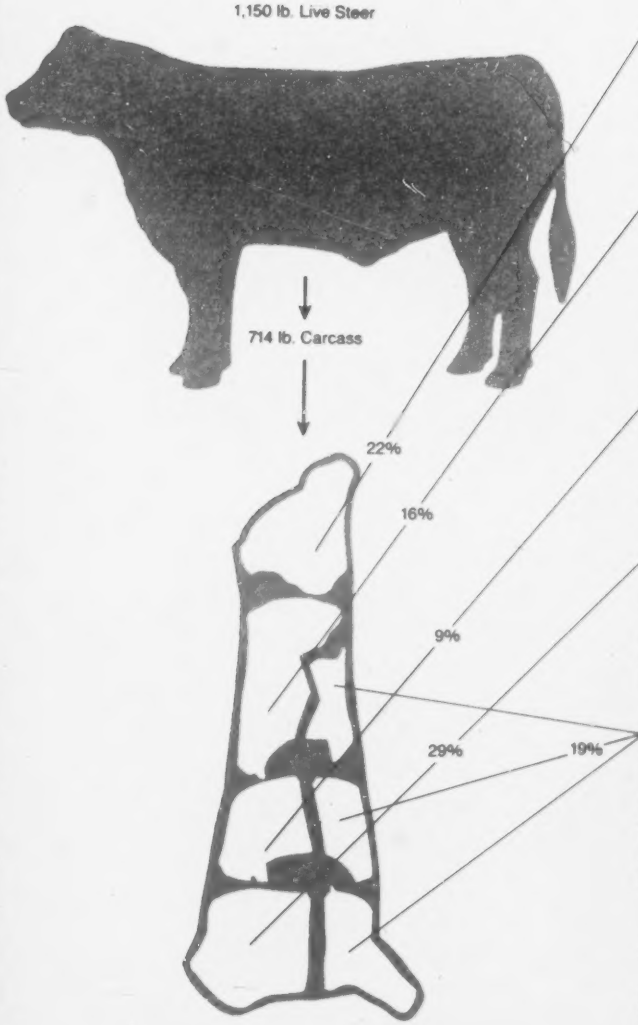
Source: U.S. Department of Agriculture

Top 10 Hog Slaughterers in 1988 (Ranked Alphabetically)

1. ConAgra, Inc.
2. Farmland Foods, Inc.
3. Farmstead Foods
4. FDL Foods, Inc.
5. IBP, Inc.
6. John Morrell & Company
7. Sara Lee Corporation
8. Smithfield Foods
9. Thorn Apple Valley, Inc.
10. Wilson Foods, Inc.

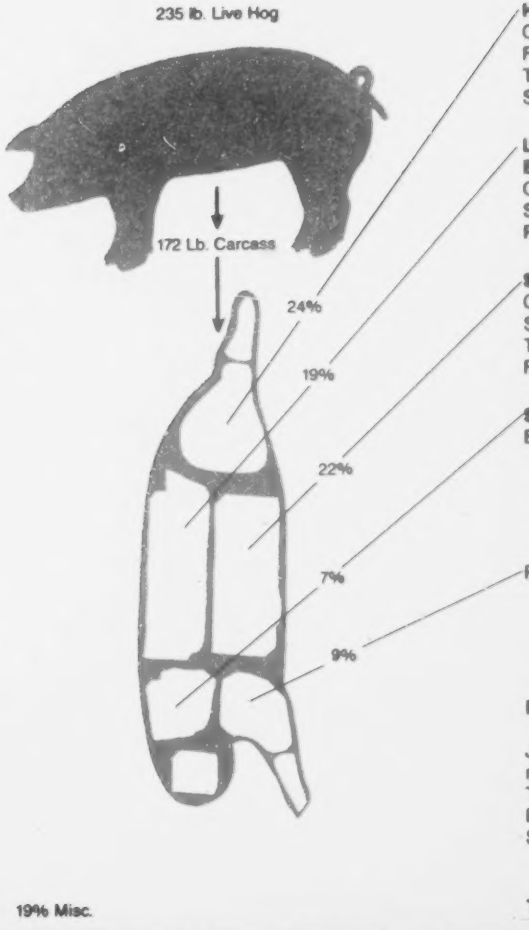
Source: U.S. Department of Agriculture

Steer Carcass Breakdown



	Retail Beef (Lbs)	Other Products (Lbs)	Carcass Total (Lbs)
ROUND (155.8 lbs)			
Top round	34.6		
Bottom round	31.2		
Tip	16.8		
Rump	7.8		
Stewing, ground beef, etc.	33.4		
Fat, bone		32.0	
Total	123.8	32.0	155.8
LOIN (115.7 lbs)			
Porterhouse steak	19.6		
T-bone steak	9.8		
Strip steak	15.0		
Sirloin steak	15.3		
Tenderloin steak	6.8		
Stewing, ground beef, etc.	22.7		
Fat, bone		26.5	
Total	89.2	26.5	115.7
RIB (65.7 lbs)			
Rib roast	23.0		
Rib steak	9.2		
Short ribs	8.6		
Stewing, ground beef, etc.	16.5		
Fat, bone		8.4	
Total	57.3	8.4	65.7
CHUCK (209.5 lbs)			
Blade roasts & steaks	33.9		
Arm pot roasts & steaks	35.5		
Cross rib pot roast	25.4		
Stewing, ground beef, etc	83.3		
Fat, bone		31.4	
Total	178.1	31.4	209.5
THIN CUTS (135.4 lbs)			
Flank steak	3.6		
Pastrami squares	2.9		
Outside skirt	2.2		
Inside skirt	2.5		
Boneless brisket	16.0		
Stewing, ground beef, etc.	87.3		
Fat bone		20.1	
Total	114.5	20.1	134.6
MISCELLANEOUS (32.8 lbs)			
Kidney, hanging tender	4.9		
Breaking fat		27.8	
Total	4.9	27.8	32.7
TOTAL	**567.8**	**146.2**	**714.0**

Hog Carcass Breakdown



	Retail Pork* (Lbs)	Other Products (Lbs)	Carcass Total (Lbs)
HAM (40.6 lbs)			
Cured ham	23.1		
Fresh ham	1.7		
Trimmings	5.1		
Skin, fat, bone		10.7	
Total	29.9	10.7	40.6
LOIN (32.1 lbs)			
Blade roast	7.4		
Center chops	16.0		
Sirloin roast	7.0		
Fat		1.7	
Total	30.4	1.7	32.1
SIDE (37.3 lbs)			
Cured bacon	19.0		
Spareribs	6.8		
Trimmings	9.6		
Fat		1.9	
Total	35.4	1.9	37.3
SHOULDER			
Boston Butt (12.2 lbs)			
Blade steaks	2.1		
Blade roast	1.3		
Cured butts	8.0		
Trimmings	.8		
Total	12.2		12.2
Picnic (16.4 lbs)			
Arm roast	3.3		
Cured picnics	4.9		
Trimmings	4.8		
Skin, fat, bone		3.4	
Total	13.0	3.4	16.4
MISCELLANEOUS (33.4 lbs)			
Jowls, feet, tail, neckbones, etc.	9.0		
Trimmings	9.3		
Fat, skin, bone		12.1	
Shrink and loss		3.0	
Total	18.3	15.1	33.4
TOTAL	**139.2**	**32.8**	**172.0**

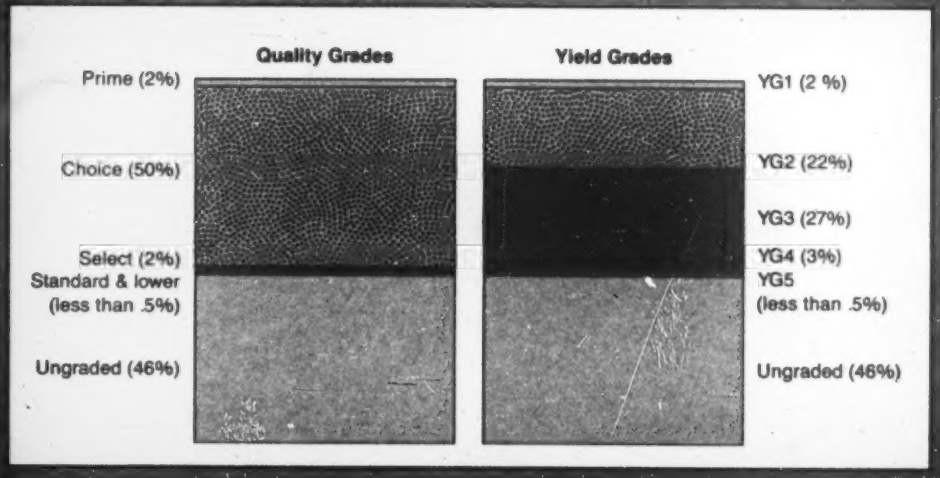
*Retail cuts on semi-boneless basis. Fully boneless would show lower retail weight.

Beef Quality and Yield Graded, 1978–81 and 1983–88

	1978	1979	1980	1981*	1983*	1984	1985	1986	1987	1988
					Million Pounds					
QUALITY GRADED										
Prime	826	730	722	624	472	363	456	400	383	380
Choice	11,844	10,671	10,800	10,954	11,152	10,829	11,875	12,053	11,463	11,598
Good/Select	643	490	516	431	423	430	386	344	266	579
Standard	28	19	26	16	13	12	11	6	3	2
Commercial	47	18	19	19	13	8	8	3	2	1
Utility	141	52	50	67	48	43	35	20	15	10
Cutter and Canner	12	5	4	7	1	1	4	1	1	1
Total	13,542	11,985	12,137	12,118	12,121	11,686	12,774	12,827	12,132	12,571
YIELD GRADED										
Grade #1	294	214	200	229	275	406	461	507	448	456
Grade #2	4,121	3,470	3,502	3,671	4,221	4,923	5,195	5,360	5,048	5,052
Grade #3	7,906	7,044	7,088	6,928	6,672	5,767	6,387	6,286	5,989	6,275
Grade #4	1,093	1,115	1,179	1,140	856	550	667	621	593	717
Grade #5	128	142	170	149	97	40	63	53	53	71
Total	13,542	11,985	12,137	12,118	12,121	11,686	12,774	12,827	12,132	12,571
Total Commercial Beef Production	24,010	21,261	21,470	22,214	23,058	23,416	23,557	24,213	23,405	23,425

Source: U.S. Department of Agriculture
*1982 not available; 1983 estimated by U.S.D.A.

Percentage of Beef Graded, 1988



Hamburger and Beef: Consumption and Prices, 1970–88

	PER CAPITA CONSUMPTION				PRICES	
	HAMBURGER	PROCESSED BEEF[1]	BEEF CUTS	TOTAL BEEF	HAMBURGER[2]	CHOICE BEEF
	Pounds Retail				Dollars Per Pound	
1970	21.9	10.8	51.2	84.0	$ .66	$1.02
1971	22.1	10.4	50.8	83.4	.68	1.08
1972	22.4	10.0	53.0	85.4	.74	1.19
1973	21.9	9.4	49.2	80.5	.96	1.42
1974	24.7	10.1	50.9	85.6	.97	1.46
1975	30.1	11.7	46.0	87.9	.88	1.55
1976	30.5	11.3	52.6	94.4	.88	1.48
1977	28.4	10.0	53.4	91.8	.85	1.48
1978	27.2	9.1	51.0	87.2	.99	1.82
1979	23.6	7.4	47.0	78.0	1.32	2.26
1980	24.7	7.4	44.4	76.5	1.36	2.38
1981	25.2	7.1	44.7	77.1	1.33	2.39
1982	26.4	7.0	43.8	77.2	1.32	2.43
1983	26.5	6.6	45.4	78.6	1.29	2.38
1984	27.5	6.4	44.6	78.5	1.28	2.40
1985	27.2	6.0	46.0	79.1	1.24	2.33
1986	29.3	6.0	43.1	78.4	1.23	2.31
1987	29.0	5.5	38.9	73.4	1.31	2.42
1988	28.7	5.1	38.9	72.7	1.36	2.55

Source: Consumption data derived by ABI from government data; price data from U.S. Department of Labor, Bureau of Labor Statistics

[1]Includes beef sausage, bologna, and luncheon meats but excludes cured brisket and cooked beef

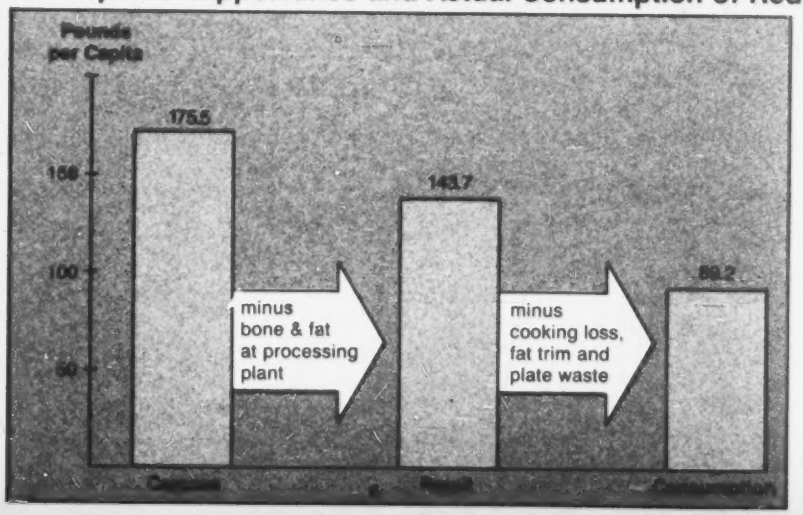
[2]1970–83 estimated based on Consumer Price Index for ground beef

Per Capita Disappearance of Red Meat, Carcass & Retail Weight Basis, 1960–88

	BEEF		VEAL		PORK		LAMB & MUTTON		TOTAL RED MEAT	
	Carcass	Retail	Carcass	Retail	Carcass	Retail	Carcass	Retail	Carcass	Retail
1960	85.1	64.2	6.1	5.2	77.6	60.3	4.8	4.3	173.6	134.0
1961	87.8	65.8	5.6	4.7	74.2	57.7	5.1	4.5	172.7	132.7
1962	88.9	66.2	5.5	4.6	75.8	59.1	5.2	4.6	175.2	134.5
1963	94.4	69.9	4.9	4.1	76.3	61.0	4.9	4.4	180.5	139.4
1964	99.9	73.9	5.2	4.3	76.2	61.0	4.2	3.7	185.5	142.9
1965	99.5	73.6	5.2	4.3	67.2	54.7	3.7	3.3	175.6	135.9
1966	104.1	77.0	4.6	3.8	65.7	54.4	4.0	3.6	178.3	138.8
1967	106.5	78.6	3.6	3.2	72.6	60.0	3.9	3.5	186.1	145.5
1968	109.7	81.2	3.6	3.0	73.5	61.4	3.7	3.3	190.5	148.9
1969	110.6	82.0	3.3	2.7	71.4	60.5	3.5	3.1	189.0	148.3
1970	113.5	84.0	2.9	2.4	72.6	62.3	3.2	2.9	192.2	151.6
1971	112.7	83.4	2.7	2.2	78.7	68.3	3.2	2.8	197.2	156.7
1972	115.5	85.4	2.2	1.9	70.9	62.9	3.3	2.9	191.9	153.1
1973	108.8	80.5	1.8	1.5	63.4	57.3	2.6	2.4	176.7	141.7
1974	115.7	85.6	2.3	1.9	66.8	61.8	2.3	2.0	186.8	151.3
1975	118.8	87.9	4.1	3.4	55.4	50.7	2.0	1.8	180.3	143.7
1976	127.5	94.4	4.0	3.3	58.6	53.7	1.8	1.6	191.9	153.0
1977	124.0	91.8	3.8	3.2	60.5	55.8	1.7	1.5	190.0	152.3
1978	117.9	87.2	2.9	2.4	60.3	55.9	1.6	1.4	182.6	146.9
1979	105.5	78.0	2.0	1.7	68.8	63.8	1.5	1.3	177.8	144.8
1980	103.4	76.5	1.8	1.5	73.5	68.3	1.5	1.4	180.2	147.7
1981	104.2	77.1	1.9	1.6	69.9	65.0	1.6	1.4	177.6	145.1
1982	104.3	77.2	2.0	1.6	62.8	59.0	1.6	1.5	170.5	139.3
1983	106.2	78.6	2.0	1.6	66.1	62.2	1.7	1.5	175.9	143.9
1984	106.0	78.5	2.1	1.8	65.6	61.9	1.7	1.5	175.5	143.7
1985	106.9	79.1	2.2	1.8	66.0	62.0	1.6	1.4	176.8	144.4
1986	107.4	78.4	2.3	1.9	62.1	58.6	1.6	1.4	173.3	140.2
1987	103.3	73.4	1.8	1.5	62.5	59.1	1.5	1.3	169.1	135.3
1988	102.3	72.6	1.7	1.4	66.7	63.0	1.6	1.4	172.2	138.4

Source: U.S. Department of Agriculture

Per Capita Disappearance and Actual Consumption of Red Meat



Source: "Contribution of Red Meat to the U.S. Diet," National Live Stock and Meat Board

Note: Figures are for 1984

Per Capita Disappearance of Poultry, Retail Weight Basis, 1960–88

YEAR	BROILERS	OTHER CHICKEN	TOTAL CHICKEN	TURKEY	TOTAL POULTRY
			Pounds		
1960	23.4	4.4	27.8	6.2	34.0
1961	25.9	4.0	29.9	7.4	37.3
1962	25.8	4.1	29.9	7.0	36.8
1963	27.1	3.7	30.8	6.8	37.6
1964	27.7	3.5	31.2	7.3	38.5
1965	29.6	3.7	33.3	7.4	40.7
1966	32.0	3.6	35.6	7.8	43.4
1967	32.4	4.1	36.4	8.5	44.9
1968	32.8	3.9	36.7	7.9	44.6
1969	34.8	3.6	38.4	8.3	46.7
1970	36.8	3.6	40.4	8.0	48.4
1971	36.5	3.8	40.3	8.3	48.6
1972	38.2	3.6	41.8	8.9	50.7
1973	37.2	3.3	40.5	8.5	49.0
1974	37.2	3.5	40.7	8.8	49.5
1975	36.7	3.4	40.1	8.5	48.6
1976	39.9	2.8	42.7	9.1	51.8
1977	41.1	3.0	44.1	9.1	53.2
1978	43.8	2.9	46.7	9.2	55.9
1979	47.7	2.9	50.6	9.9	60.5
1980	47.0	3.1	50.1	10.5	60.6
1981	48.6	3.1	51.7	10.8	62 5
1982	50.0	3.1	53.1	10.8	63.9
1983	50.8	3.0	53.8	11.3	65.1
1984	53.0	2.7	55.7	11.4	67.1
1985	55.5	2.5	58.0	12.1	70.1
1986	56.3	2.4	58.7	13.3	72.3
1987	60.2	2.5	62.7	15.2	77.8
1988	61.9	2.6	64.5	16.0	80.5

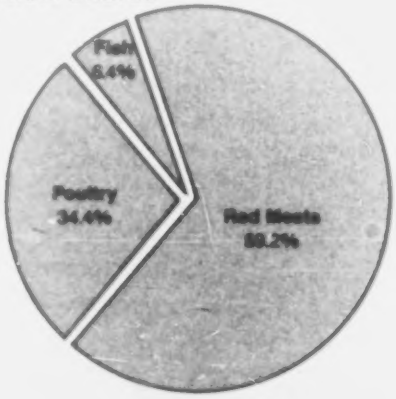
Source: U.S. Department of Agriculture

Per Capita Disappearance of Red Meat, Poultry & Fish, Retail Weight Basis, 1960–88

	TOTAL RED MEAT	POULTRY	FISH	TOTAL RED MEAT, POULTRY AND FISH
		Pounds		
1960	134.0	34.0	10.3	199.2
1961	132.7	37.3	10.7	191.4
1962	134.5	36.8	10.6	192.6
1963	139.4	37.6	10.7	197.8
1964	142.9	38.5	10.5	203.0
1965	135.9	40.7	10.8	197.8
1966	138.8	43.4	10.9	203.7
1967	145.5	44.9	10.6	212.1
1968	148.9	44.6	11.0	215.7
1969	148.3	46.7	11.2	217.2
1970	151.6	48.4	11.8	223.0
1971	156.7	48.5	11.5	228.0
1972	153.1	50.7	12.5	227.1
1973	141.7	48.9	12.8	213.2
1974	151.3	49.5	12.1	223.6
1975	143.7	48.6	12.2	214.6
1976	153.0	51.8	12.9	228.3
1977	152.3	53.2	12.7	228.6
1978	146.9	55.9	13.4	226.0
1979	144.8	60.5	13.0	227.9
1980	147.7	60.6	12.8	230.6
1981	145.1	62.4	12.9	229.8
1982	139.3	63.9	12.3	224.1
1983	143.9	65.1	13.1	231.2
1984	143.7	67.1	13.7	233.8
1985	144.4	70.1	14.4	237.8
1986	140.2	72.5	14.7	236.1
1987	135.3	77.8	15.4	237.1
1988	138.4	80.5	15.0	247.8

Source: *U.S. Department of Agriculture*

Meat Consumption Shares



1988

Per Capita Consumption of Red Meat, Poultry & Fish, Boneless Equivalent, 1966–88

YEAR	BEEF	VEAL	PORK	LAMB	CHICKEN	TURKEY	FISH	TOTAL RED MEAT,* POULTRY AND FISH
1966	73.7	3.2	44.3	2.6	24.6	6.3	10.9	165.6
1967	75.3	2.8	48.4	2.5	25.2	6.8	10.6	171.7
1968	77.3	2.6	49.4	2.4	25.4	6.4	11.0	174.5
1969	77.8	2.3	47.9	2.3	26.5	6.6	11.2	174.5
1970	79.6	2.0	48.6	2.1	27.8	6.4	11.8	178.4
1971	79.0	1.9	52.6	2.1	27.8	6.6	11.5	181.5
1972	80.7	1.6	47.4	2.2	28.8	7.1	12.5	180.1
1973	75.9	1.2	42.4	1.7	27.9	6.7	12.8	168.7
1974	80.6	1.6	45.7	1.5	28.1	7.0	12.1	176.5
1975	83.0	2.8	37.1	1.3	27.6	6.7	12.2	170.7
1976	86.9	2.7	39.2	1.2	29.4	7.2	12.9	181.5
1977	86.2	2.6	40.5	1.1	30.4	7.2	12.7	180.7
1978	82.3	2.0	40.4	1.0	32.1	7.2	13.4	178.4
1979	73.5	1.4	45.8	1.0	34.8	7.8	13.0	177.3
1980	72.1	1.3	49.1	1.0	34.5	8.3	12.8	178.9
1981	72.7	1.3	46.8	1.0	35.5	8.5	12.9	178.8
1982	72.4	1.4	41.9	1.1	36.5	8.5	12.3	174.0
1983	73.8	1.4	44.0	1.1	37.0	8.9	13.1	179.2
1984	73.6	1.5	43.7	1.1	38.2	9.0	13.7	180.8
1985	74.3	1.5	44.1	1.1	39.8	9.5	14.4	184.7
1986	74.1	1.6	41.6	1.0	40.6	10.5	14.7	184.1
1987	69.2	1.3	41.9	1.0	43.4	11.9	15.4	184.0
1988	68.6	1.2	44.7	1.0	44.3	12.8	15.0	187.6

Source: U.S. Department of Agriculture

**Excludes variety meats*

Beef and Pork—Nutritional Profiles[1]

BEEF

		%	Contribution to Total Recommended Dietary Intake (50% / 100%)
• Calories	189	10	
• Total Fat	8.7 g	14	
(Saturated, 3.4; Monounsaturated, 3.8; Polyunsaturated, .3)			
• Cholesterol	76 mg	24	
• Sodium	55 mg	2	
* Protein	26 g	56	
* Iron	2.7 mg	14	
* Zinc	6.0 mg	39	
* Thiamin	.08 mg	6	
* Niacin	3.6 mg	17	
* B-12	2.3 mcg	39	

PORK

		%	Contribution to Total Recommended Dietary Intake (50% / 100%)
• Calories	198	10	
• Total Fat	11.1 g	17	
(Saturated, 3.8; Monounsaturated, 5.0; Polyunsaturated, 1.3)			
• Cholesterol	79 mg	26	
• Sodium	59 mg	2	
* Protein	23 g	51	
* Iron	1.1 mg	6	
* Zinc	3.0 mg	20	
* Thiamin	.59 mg	39	
* Niacin	4.3 mg	22	
* B-12	.7 mcg	12	

Source: Derived from data in U.S. Department of Agriculture Handbook 8–13

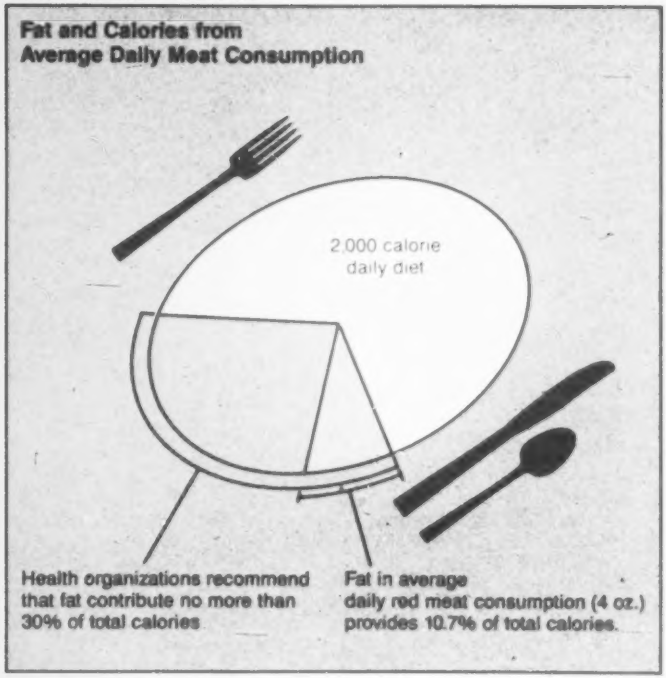
[1]*Based on composite average for 3 oz. serving, cooked separable lean retail cuts, all grades*

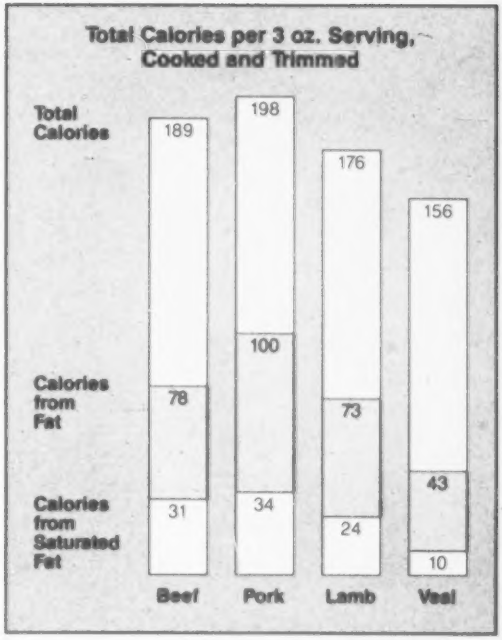
• *Based on standards of comparison:*

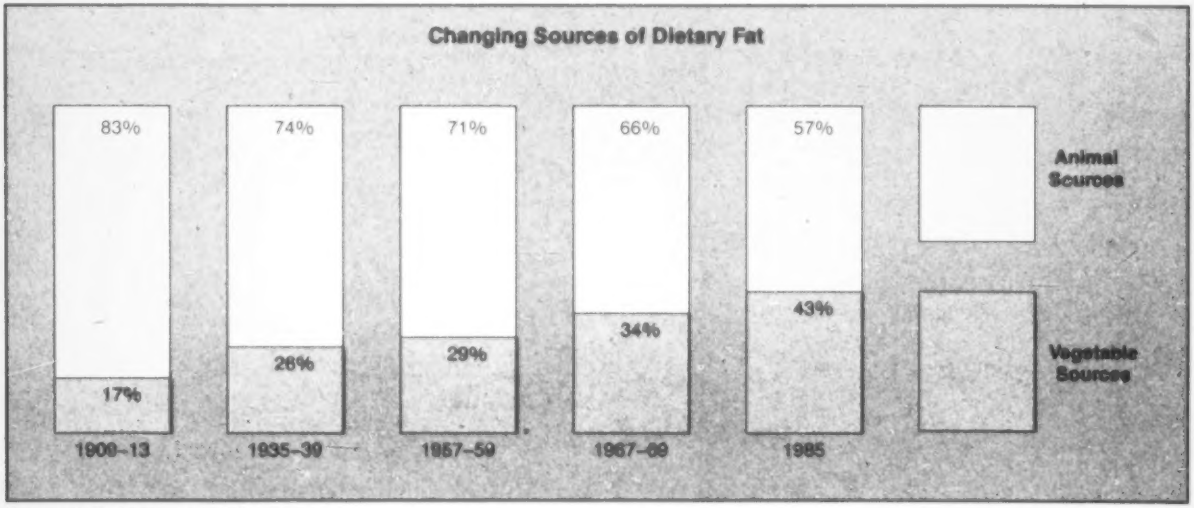
2,000 calories per day is the midpoint of the recommendation by the National Academy of Sciences for women aged 23–51. NAS also recommends a maximum of 3,300 mg sodium per day. Health organizations recommend that fat contribute not more than 30% of total daily calories and that cholesterol be limited to 300 mg per day.

**Based on U.S. Recommended Dietary Allowances*

Red Meats and Fat



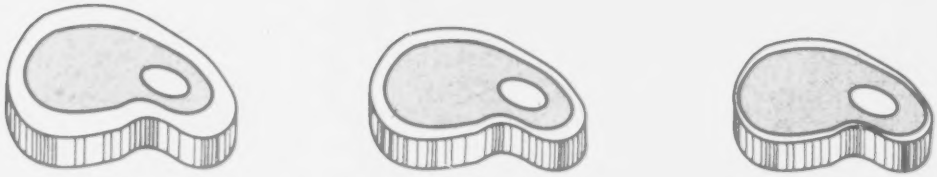




Source: U.S. Department of Agriculture

Red Meats and Fat

EXTERNAL FAT TRIM ON BEEF HAS CHANGED



pre-1986
½"

1986
¼"

1988
⅛"

Average Fat Thickness on Retail Beef Cuts

	PRIMAL CUT ORIGIN OF RETAIL CUT				
REGION	ROUND	LOIN	RIB	CHUCK	AVERAGE
Northeast & East	.12	.18	.10	.08	.12
Southeast	.13	.15	.14	.12	.14
North Central	.12	.18	.13	.12	.14
South Central	.07	.15	.12	.06	.10
Mountain	.17	.27	.04	.16	.16
West	.12	.26	.20	.13	.18
Average	**.12**	**.19**	**.12**	**.11**	**.14***

Source: Texas A&M University "National Beef Market Basket Study," 1988
**Excludes stew meat, brisket, shanks, flank steak, stir fry, ground beef, etc.*

Retail Beef Cuts*: Percentage of Bone-In vs. Boneless

REGION	BONE-IN	BONELESS
Northeast & East	32%	68%
Southeast	22	78
North Central	39	61
South Central	10	90
Mountain	44	56
West	21	79
Average	28	72
PRIMAL ORIGIN		
Chuck	35	65
Round	5	95
Loin	49	51
Rib	54	46

Source: Texas A&M University "National Beef Market Basket Study", 1988
*Excluding ground beef

Retail Ground Beef Distribution by Type*

REGION	REGULAR	LEAN	EXTRA LEAN
Northeast & East	41%	37%	22%
Southeast	35	52	13
North Central	21	38	41
South Central	42	35	23
Mountain	68	23	9
West	37	37	26
Average	**41**	**37**	**22**

Source: Texas A&M University "National Beef Market Basket Study", 1988
*Distribution by total weight in meat case

Grocery Stores: Percentage of Meat Sales by Type

	BEEF	PORK	VEAL	LAMB	POULTRY	FISH & SEAFOOD	PROCESSED & FROZEN	OTHER
					Percent			
Retail Sales (Mil. $)								
Under $10	41.9%	20.2%	1.6%	1.7%	21.0%	4.0%	6.2%	3.5%
$ 10–$30	39.3	19.7	1.7	1.8	19.4	4.7	10.5	3.1
$ 31–$100	39.5	19.5	1.3	1.5	19.2	5.1	8.8	5.1
$101–$250	40.3	16.2	1.9	2.3	21.4	4.4	10.8	2.9
$251–$500	39.7	13.9	1.4	1.6	18.0	4.2	19.5	2.2
$501 +	36.9	15.0	1.4	1.6	19.1	4.3	17.4	4.8
Retail Affiliation								
Chain	37.3	15.1	1.4	1.7	19.1	4.4	17.1	4.5
Independent	41.1	19.1	1.8	1.9	19.2	4.6	8.7	3.7
Headquarters Region								
Northeast	39.6	13.1	2.1	2.9	20.6	5.1	7.9	8.7
Middle Atlantic	40.8	16.8	2.4	1.8	22.5	3.4	10.5	2.1
East North Central	36.4	16.0	1.2	1.2	15.3	6.4	21.7	2.5
West North Central	39.5	16.2	1.2	1.1	15.5	2.7	11.1	12.5
Southeast	38.2	12.2	1.5	2.1	15.8	3.8	20.7	5.9
West South Central	38.6	16.0	1.1	1.3	19.8	3.0	18.4	2.0
Mountain	43.8	12.9	1.1	1.4	14.7	3.5	20.2	2.8
Pacific	35.3	18.5	1.1	1.2	25.2	4.2	11.3	4.2
Average	**37.6**	**15.3**	**1.4**	**1.7**	**19.2**	**4.3**	**16.6**	**4.4**

Source: Food Marketing Institute, The Food Marketing Industry Speaks, 1986
May not add due to rounding.

Grocery Stores: Typical Number of Fresh Meat Items Carried and Share of Meat Department Sales Devoted to Service vs. Self-Service

	FRESH MEAT ITEMS CARRIED	SERVICE	SELF-SERVICE
	Median	Percent	
Retail Sales (Mil. $)			
Under $10	100	19.8%	80.2%
$ 10–$30	120	8.1	91.9
$ 31–$100	125	11.1	88.9
$101–$250	150	22.1	77.9
$251–$500	250	4.6	95.4
$501 +	152	10.5	89.5
Retail Affiliation			
Chain	154	10.6	89.4
Independent	125	13.1	86.9
Headquarters Region			
Northeast	147	2.1	97.9
Middle Atlantic	200	13.5	86.5
East North Central	103	12.9	87.1
West North Central	111	36.5	63.5
Southeast	180	5.1	94.9
West South Central	200	4.4	95.6
Mountain	101	12.6	87.4
Pacific	150	11.3	88.7
Average	**150**	**10.8**	**89.2**

Source: *Food Marketing Institute, The Food Marketing Industry Speaks, 1988*

Consumer Expenditures for Food at Home and Away, and as a Percent of Disposable Personal Income, 1970–88

	Food Expenditures			Expenditures as Percent of Disposable Personal Income		
	At Home	Away From Home	Total	At Home	Away From Home	Total
	Million Dollars					
1970	$74,166	$25,345	$99,511	10.4%	3.6%	13.9%
1971	78,074	26,922	104,996	10.1	3.5	13.6
1972	84,441	30,134	114,575	10.1	3.6	13.7
1973	93,133	33,483	126,616	9.8	3.5	13.3
1974	105,374	37,059	142,433	10.1	3.6	13.7
1975	115,087	44,056	159,143	10.1	3.8	13.9
1976	122,949	50,415	173,364	9.8	4.0	13.8
1977	131,616	56,138	187,754	9.5	4.1	13.6
1978	144,991	64,881	209,872	9.3	4.2	13.5
1979	161,674	73,669	235,343	9.3	4.3	13.6
1980	178,421	82,205	260,626	9.3	4.3	13.6
1981	190,284	90,177	280,461	8.9	4.2	13.1
1982	197,736	98,583	296,319	8.7	4.4	13.1
1983	208,171	108,377	316,548	8.6	4.4	13.0
1984	220,064	117,789	337,853	8.2	4.4	12.6
1985	230,566	126,365	356,931	8.1	4.5	12.6
1986	237,931	132,218	370,149	7.9	4.4	12.3
1987	245,797	145,317	391,114	7.7	4.5	12.2
1988	255,100	155,913	411,013	7.3	4.5	11.8

Source: U.S. Department of Agriculture

Per Capita Income and Red Meat Expenditures, 1970–88

	Disposable Personal Income	Red Meat[1] Expenditures	Expenditures as Percent of: Disposable Personal Income	Expenditures as Percent of: Total Food Expenditures
1970	$ 3,489	$136.00	3.90%	27.88%
1971	3,740	143.81	3.85	28.32
1972	4,000	156.71	3.92	28.63
1973	4,481	189.26	4.22	31.11
1974	4,855	190.69	3.93	28.56
1975	5,291	209.29	3.96	28.34
1976	5,744	210.00	3.66	26.36
1977	6,262	216.22	3.45	25.31
1978	6,968	254.55	3.65	27.07
1979	7,682	296.57	3.86	28.30
1980	8,421	287.93	3.42	23.33
1981	9,243	292.08	3.16	23.91
1982	9,724	299.18	3.08	23.43
1983	10,340	301.78	2.92	22.34
1984	11,257	298.68	2.65	20.85
1985	11,861	294.45	2.48	19.75
1986	12,469	295.78	2.37	19.27
1987	13,140	298.30	2.27	18.56
1988	14,116	309.94	2.20	18.54

Source: Derived from data provided by U.S. Departments of Agriculture and Commerce

[1]Beef, veal, pork and mutton. Expenditures for veal, lamb and mutton from 1981 onwards estimated by AMI

Consumer Expenditures for Meat, Poultry and Fish in Grocery Stores, 1987 & 1977

ITEM	1987 ($ Mil.)	% OF FOOD & BEVERAGES	% OF TOTAL	1977 ($ Mil.)	% OF FOOD & BEVERAGES	% OF TOTAL	% CHANGE 1977–1987
Fresh Meat	**$26,499**	**12.0%**	**9.0%**	**$15,543**	**13.5%**	**10.5%**	**+70.1%**
Beef	20,961	9.5	7.1	11,510	10.0	7.8	+82.1
Veal	547	.3	.1	731	.6	.5	−25.2
Lamb	1,037	.5	.4	626	.5	.4	+65.7
Pork	3,955	1.8	1.3	2,675	2.3	1.8	+47.9*
Processed Meats	**13,642**	**6.2**	**4.6**	**10,340**	**9.0**	**7.0**	**+31.9**
Cured Hams & Picnics	2,047	.9	.7	1,803	1.6	1.2	+13.5
Packaged Bacon	2,224	1.0	.8	1,810	1.6	1.2	+22.9
Frankfurters	1,651	.8	.6	1,086	1.0	.7	+52.0
Sausages	1,146	.5	.4	727	.6	.5	+57.6
Other Sausage Products	3,064	1.4	1.0	1,838	1.6	1.2	+66.7
Cold Cuts	3,511	1.6	1.2	3,076	2.7	2.1	+14.1
Frozen Meat	**206**	**.1**	**.1**	**176**	**.2**	**.1**	**+17.1**
Canned Meat	**1,331**	**.6**	**.5**	**1,474**	**1.3**	**1.0**	**−9.7**
Total Above	**41,678**	**18.8**	**14.1**	**27,533**	**24.0**	**18.6**	**+51.4**
Poultry	**9,977**	**4.5**	**3.4**	**4,498**	**3.9**	**3.0**	**+121.8**
Fresh	7,715	3.5	2.6	3,349	2.9	2.3	+130.4
Frozen	2,137	1.0	.7	1,083	.9	.7	+97.3
Canned	125	.1	*	66	.1	*	+89.4
Fish & Seafood	**6,249**	**2.8**	**2.1**	**2,656**	**2.3**	**1.8**	**+135.3**
Fresh	3,649	1.7	1.2	1,126	1.0	.8	+224.1
Frozen	735	.3	.3	384	.3	.3	+91.4
Canned	1,865	.8	.6	1,146	1.0	.8	+62.7
Total Meat, Poultry & Seafood	**57,904**	**26.2**	**19.6**	**34,687**	**30.2**	**23.4**	**+66.9**
Total Grocery Store Sales	**295,298**	**—**	**100.0**	**148,124**	**—**	**100.0**	**+99.4**
Food & Beverages	221,378	100.0	75.0	114,883	100.0	77.6	+92.7
Non-Foods & General Merchandise	73,920	—	25.0	33,241	—	22.4	+122.4

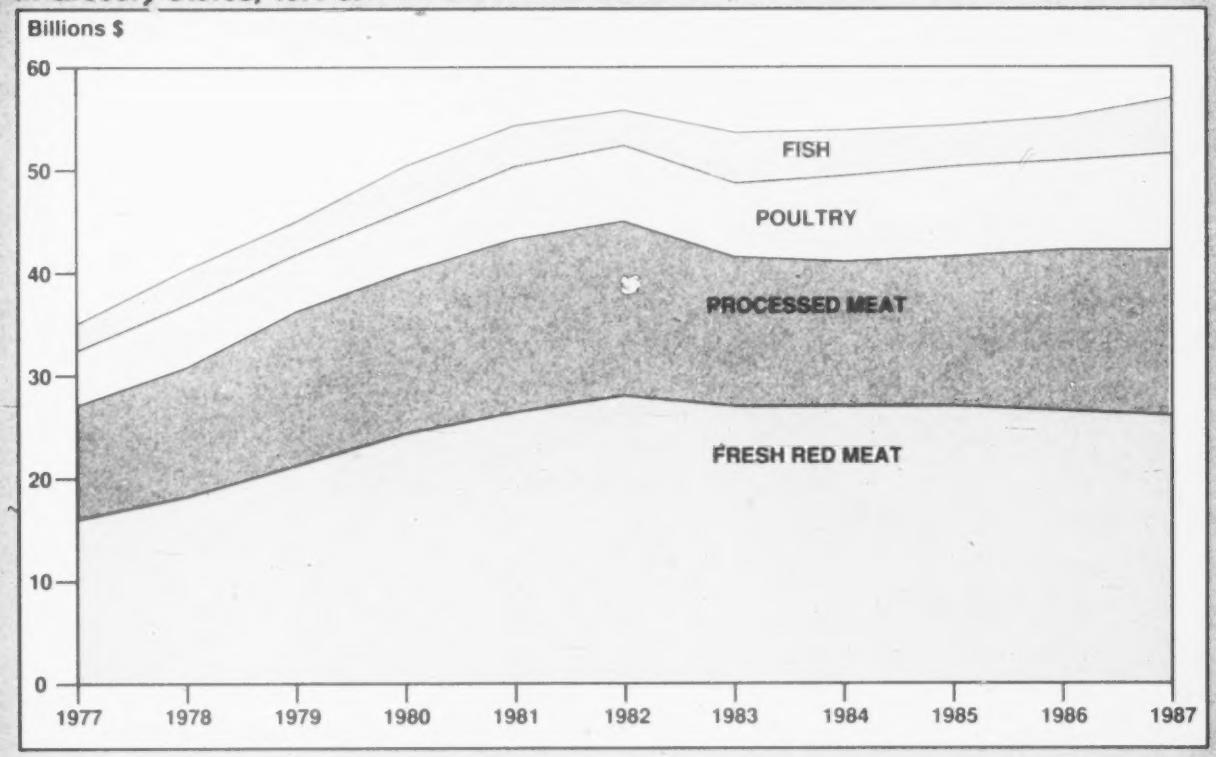
Source: Compiled from Supermarket Business magazine

Totals may not add due to rounding

Does not include meals sold through service delis or in prepared forms (i.e., frozen dinners, entrees, etc.)

*Less than 0.05%

Consumer Expenditures for Meat, Poultry and Fish in Grocery Stores, 1977-87



Meat Expenditures by Consumer Characteristics, 1987

	AVERAGE WEEKLY AT-HOME EXPENDITURES PER CONSUMER UNIT					
	BEEF	PORK	OTHER MEATS	POULTRY	FISH	ALL FOODS
By Income						
$ 5,000–$ 9,999	$2.27	$1.91	$1.10	$1.40	$ .85	$28.17
$10,000–$14,999	3.26	2.27	1.38	1.45	1.11	34.87
$15,000–$19,999	3.25	1.87	1.43	1.42	1.14	36.74
$20,000–$29,999	3.72	2.15	1.69	1.59	1.26	40.21
$30,000–$39,999	4.71	2.36	1.96	1.90	1.40	45.97
$40,000 and over	5.52	3.33	2.21	2.20	1.76	55.09
By Number of Earners						
Single Consumers						
No Earner	1.53	.95	.66	.86	.61	20.02
One Earner	1.31	.87	.62	.71	.66	17.79
Two or More Consumers						
No Earner	3.40	2.77	1.62	1.85	1.30	40.15
One Earner	4.21	2.60	1.81	1.85	1.59	45.67
Two Earners	4.50	2.56	1.94	2.00	1.45	46.65
Three or More	6.60	3.60	2.80	2.69	1.81	64.63
By Size of Consumer Unit						
One Person	1.39	.90	.64	.76	.64	18.61
Two Persons	3.44	2.27	1.42	1.61	1.34	37.67
Three Persons	4.51	2.77	1.96	1.94	1.36	46.48
Four Persons	5.56	3.18	2.58	2.39	1.66	58.22
Five Persons	6.62	3.25	2.88	2.86	1.97	64.54
Six or more	6.60	3.81	2.74	3.07	2.34	70.40
By Composition of Consumer Unit						
Husband and Wife, All	4.78	2.82	2.11	2.07	1.64	50.41
Oldest Child Aged:						
Under 6	4.16	2.23	2.01	1.98	1.35	46.36
6–7	5.50	2.89	2.39	2.29	1.68	57.43
18 or Over	6.64	3.82	3.00	2.72	2.20	65.00
One Parent With Children Aged Under 18	3.61	2.27	1.46	1.64	.98	35.67
Others	2.04	1.32	.87	1.09	.76	24.36
By Region						
Northeast	3.87	2.22	1.78	2.29	1.74	41.92
Midwest	3.58	2.20	1.78	1.29	1.03	37.35
South	3.37	2.44	1.37	1.62	1.03	37.17
West	4.12	1.90	1.60	1.63	1.48	44.84
By Race						
White and Other	3.71	2.15	1.61	1.60	1.24	40.32
Black	3.44	2.82	1.54	2.28	1.52	35.19
By Housing Tenure						
Homeowner	4.23	2.57	1.87	1.85	1.41	45.11
Renter	2.72	1.62	1.15	1.38	1.03	30.41

Source: U.S. Department of Labor, Bureau of Labor Statistics, 1987 Consumer Expenditure Survey

Consumer and Producer Price Indices, 1980–88

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988
					(1982-84=100)				
CONSUMER PRICE INDICES									
All Items	82.4	90.9	96.5	99.6	103.9	107.6	109.6	113.6	118.3
All Foods	86.8	93.6	97.4	99.4	103.2	105.6	109.0	113.5	118.2
Food at Home	88.4	94.8	98.1	99.1	102.8	104.3	107.3	111.9	116.6
Food Away	83.4	90.9	95.8	100.0	104.2	108.3	112.5	117.0	121.8
All Meats	92.7	96.0	100.7	99.5	99.9	98.9	102.0	109.6	112.2
Beef and Veal	98.4	99.2	100.6	99.1	100.3	98.2	98.8	106.3	112.1
Pork	81.9	89.5	101.0	100.1	98.8	99.1	107.2	115.9	112.5
Other Meats	93.2	97.2	100.1	99.7	100.1	100.8	103.4	109.9	112.8
Poultry	93.7	97.5	95.8	97.0	107.3	106.2	114.2	112.6	120.7
Fish and Seafood	87.5	94.8	98.2	99.3	102.5	107.5	117.4	112.9	137.9
					(1982=100)				
PRODUCER PRICE INDICES									
Total Finished Goods	88.0	96.1	100.0	101.6	103.7	104.7	103.2	105.4	108.0
All Commodities	89.8	98.0	100.0	101.3	103.7	103.2	100.2	102.8	106.9
All Meats	94.1	95.4	100.0	94.3	94.5	90.9	93.9	100.4	99.9
Beef and Veal	106.2	100.7	100.0	96.4	96.7	90.3	88.1	95.5	101.4
Pork	78.4	86.9	100.0	90.6	90.2	89.1	99.9	104.9	95.0
Other Meats	86.4	94.2	100.0	94.3	94.4	94.0	97.4	103.9	101.5
Poultry	108.2	108.2	100.0	103.7	115.3	110.4	116.8	103.5	111.6
Fish and Seafood	87.8	89.4	100.0	105.4	112.7	114.6	124.9	140.0	148.7

Source: U.S. Department of Labor

U.S. Average Retail Meat Prices

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988
Dollars Per Pound									
Beef (Choice Grade)	**$2.38**	**$2.39**	**$2.43**	**$2.38**	**$2.40**	**$2.33**	**$2.31**	**$2.42**	**$2.55**
Sirloin Steak	2.95	2.99	3.06	3.06	3.08	2.96	2.96	3.13	3.29
Round Steak	2.77	2.86	2.95	2.90	2.91	2.77	2.77	2.89	2.99
Round Roast	2.61	2.63	2.64	2.55	2.58	2.47	2.44	2.53	2.63
Rib Roast	2.96	3.03	3.22	3.24	3.35	3.28	3.26	3.54	3.89
Chuck Roast	1.82	1.82	1.79	1.74	1.68	1.57	1.59	1.68	1.73
Ground Chuck	1.83	1.80	1.78	1.73	1.72	1.68	1.64	1.71	1.76
Beef Liver	1.17	1.13	1.02	.97	.98	.96	.97	1.03	1.03
Fresh Pork	**1.40**	**1.82**	**1.75**	**1.70**	**1.62**	**1.62**	**1.78**	**1.88**	**1.83**
Pork Chops	1.95	2.13	2.39	2.37	2.38	2.34	2.59	2.82	2.77
Sliced Bacon	1.46	1.67	2.05	1.94	1.86	1.94	2.08	2.14	1.88
Smoked Picnic	.99	1.04	1.15	1.05	1.01	1.02	1.06	1.12	1.12
Canned Ham	2.32	2.46	2.65	2.67	2.56	2.56	2.68	2.80	2.73
Fresh Pork Sausage	1.41	1.61	1.88	1.87	1.71	1.74	1.91	1.99	1.97
Frankfurters	1.72	1.77	1.82	1.81	1.80	1.81	1.93	1.99	2.02
Bologna	2.01	2.11	2.21	2.18	2.13	2.11	2.17	2.19	2.24
Poultry									
Whole Broilers	.72	.74	.72	.73	.81	.76	.84	.78	.85
Frozen Hen Turkeys	.89	.98	.93	.92	.99	1.05	1.07	1.01	.96

Source: U.S. Department of Labor, Bureau of Labor Statistics

Livestock and Wholesale Meat Prices, 1980–88

LIVESTOCK PRICES

Dollars Per Hundred Pounds, Live

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988
Choice Steers, 900–1100 lbs. at Omaha	$66.96	$63.84	$64.22	$62.52	$66.34	$68.37	$67.74	$64.60	$60.58
Choice Heifers, 900–1100 lbs. at Omaha	64.90	62.05	62.79	61.42	64.59	66.24	67.58	64.34	60.16
Cows, Canner & Cutter, at Omaha	42.68	39.51	36.50	36.35	35.66	35.66	34.25	40.91	44.52
Feeder Steers, 600–700 lbs. at Kansas City	75.23	66.24	64.82	63.70	65.29	64.66	62.79	75.36	69.67
Barrows & Gilts at 7 Markets	39.48	44.05	45.07	47.33	48.96	44.50	51.35	51.71	43.25
Sows at 7 Markets	36.01	40.27	40.59	40.65	43.29	39.41	45.58	44.08	33.38
Slaughter Lambs at San Angelo	64.41	56.73	57.12	58.47	61.30	65.30	66.95	77.26	70.52

Source: U.S. Department of Agriculture

WHOLESALE MEAT PRICES AT MIDWEST

Dollars Per Hundred Pounds, Carlot Basis

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988
Choice Steer Beef Carcass, 600–700 lbs.	$104.44	$ 99.84	$101.31	$ 97.83	$100.09	$ 99.76	$ 98.99	$ 97.24	$103.07
Choice Heifer Beef Carcass, 560–700 lbs.*	101.86	97.48	98.64	94.46	98.62	98.48	97.72	96.21	102.58
Cow Beef, Canner and Cutter	82.45	84.06	78.98	78.48	74.70	74.18	71.31	83.70	87.64
Domestic Boneless Beef, Fresh									
90% Chemical Lean	125.94	117.52	111.10	106.59	101.13	100.94	90.26	112.20	118.76
85% Chemical Lean	121.87	108.57	105.10	101.70	94.44	94.22	90.92	104.14	107.45
50% Chemical Lean	58.75	53.85	59.04	48.87	53.56	41.71	43.83	50.66	43.42
Lamb Carcass, Choice and Prime, Spring and shorn, 55 lbs. & down[1]	134.93	128.89	137.89	136.78	134.74	144.24	140.68	158.56	144.99
Fresh Pork Loins, 14–18 lbs.	83.66	95.39	109.71	97.29	96.39	91.51	104.78	106.23	97.48
Pork Bellies, 12–14 lbs.	43.78	52.29	76.54	51.72	60.19	59.50	65.82	63.11	41.25
Hams, Skinned, 17–20 lbs.	69.77	75.69	90.22	73.99	75.41	67.27	77.96	79.29	69.04

Source: U.S. Department of Agriculture and National Provisioner Daily Market & News Service

[1]*Figures are for the East Coast*

**500–600 lbs. prior to 1986*

Beef: Retail, Carcass and Farm Values and Spreads, 1970-88

	Retail Price	Carcass Value*	Farm Value*	FARM TO RETAIL SPREAD		
				Total	Carcass to Retail	Farm to Carcass
	Cents Per Pound					
1970	101.7	69.8	63.9	37.8	31.9	5.9
1971	108.1	77.4	70.5	37.6	30.7	6.9
1972	118.7	82.0	75.6	43.1	36.7	6.4
1973	142.1	100.7	94.2	47.9	41.4	6.5
1974	146.3	100.0	91.4	54.9	46.3	8.6
1975	154.8	108.2	99.0	55.8	46.6	9.2
1976	148.2	91.5	84.1	64.1	56.7	7.4
1977	148.4	93.8	85.5	62.9	54.6	8.3
1978	181.9	119.3	111.1	70.8	62.6	8.2
1979	226.3	150.5	140.8	85.5	75.8	9.7
1980	237.6	155.4	145.0	92.6	82.2	10.4
1981	238.7	149.3	138.5	100.2	89.4	10.8
1982	242.5	150.7	140.5	102.0	91.8	10.2
1983	238.1	145.4	136.2	101.9	92.7	9.2
1984	239.6	147.6	140.0	99.6	92.0	7.6
1985	232.2	135.2	126.8	105.8	97.4	8.4
1986	230.7	133.1	124.4	106.3	97.6	8.7
1987	242.5	145.3	137.9	104.6	97.2	7.4
1988	254.7	153.9	147.4	107.3	100.8	6.5

Source: U.S. Department of Agriculture
**Value equivalent to one pound of beef at retail, less by-product value*

Pork: Retail, Wholesale and Farm Values and Spreads, 1970-88

	Retail Price	Wholesale Price*	Farm Value*	FARM TO RETAIL SPREAD		
				Total	Wholesale to Retail	Farm to Wholesale
	Cents Per Pound					
1970	77.4	63.4	39.3	38.1	14.0	24.1
1971	69.8	57.0	32.0	37.8	12.8	25.0
1972	82.7	71.3	46.2	36.5	11.4	25.1
1973	109.2	99.8	67.6	41.6	13.4	28.2
1974	107.8	85.5	57.2	50.6	22.3	28.3
1975	134.6	115.3	79.8	54.8	19.3	35.5
1976	134.0	105.2	71.0	63.0	28.8	34.2
1977	125.4	99.0	65.6	59.8	26.4	33.4
1978	143.6	107.7	76.6	67.0	35.9	31.1
1979	144.1	100.4	66.6	77.5	43.7	33.8
1980	139.4	98.0	63.2	76.2	41.4	34.8
1981	152.4	106.7	70.3	82.1	45.7	36.4
1982	175.4	121.8	88.0	87.4	53.6	33.8
1983	169.8	108.9	76.5	93.3	60.9	32.4
1984	162.0	110.1	77.4	84.6	51.9	32.7
1985	162.0	101.1	71.4	90.6	60.9	29.7
1986	178.4	110.9	82.4	96.0	67.5	28.5
1987	188.4	113.0	82.7	105.7	75.4	30.3
1988	183.4	101.0	69.4	114.0	82.4	31.6

Source: U.S. Department of Agriculture
**Value equivalent to one pound of retail cuts, less by-product value*

Meat Industry Sales Breakdown by Company Type, 1987

ITEM	PACKERS[1]	PACKER/ PROCESSORS[2]	PROCESSORS[3]
Total Sales	**100.00%**	**100.00%**	**100.00%**
Livestock and/or Meat	62.07	80.85	63.80
Supplies & Containers	6.73	2.95	7.75
Production Labor	5.21	3.83	4.87
Cost of Goods Sold	**74.01**	**87.63**	**76.42**
Gross Margin	**25.99**	**12.37**	**23.58**
Other Wages and Salaries	4.55	2.01	4.92
Employee Benefits:			
Retirement Expense	.13	.17	.32
Payroll Taxes	.90	.45	.79
Insurance & Hospitalization	1.39	.60	1.04
All Other Benefits	.76	.24	.52
Total Benefits	3.17	1.46	2.67
Interest	.31	.44	.34
Depreciation	1.28	.52	1.34
Rents	.32	.30	.50
General & Administrative Insurance	.14	.21	.36
Taxes*	.25	.28	.18
All Other Expenses	11.58	6.81	9.37
Total Expenses	**95.60**	**99.45**	**96.10**
Earnings Before Taxes	4.40	.55	3.90
Income Taxes	2.00	.22	1.30
Net Earnings	**2.40**	**.32**	**2.59**

Source: American Meat Institute, 1987 Financial Operating Survey of the Meat Industry

[1,2,3]*Defined as companies participating in the AMI survey that:*
[1]*slaughter livestock and have sales primarily of fresh meat;*
[2]*slaughter livestock and have sales of processed meats equivalent to two-thirds or more of total sales;*
[3]*do not slaughter livestock and are primarily involved in the manufacture and sale of processed meats.*

**Other than Social Security and Income Taxes*

Totals may not add due to rounding.

Product Share of Industry Sales and Profits, by Company Type, 1987

ITEM	PACKERS[1]	PACKER/ PROCESSORS[2]	PROCESSORS[3]
		Source of Sales	
Fresh Meat & By-Products	77.28%	23.19%	11.83%
Processed Meats	20.31	75.75	83.80
Non-Meat Products	2.42	1.06	4.37
Total Sales	**100.00**	**100.00**	**100.00**
		Source of Profits	
Fresh Meat & By-Products	44.67%	4.83%	7.72%
Processed Meats	52.09	93.94	90.53
Non-Meat Products	3.23	1.23	1.75
Total Profits	**100.00**	**100.00**	**100.00**

*Source: **American Meat Institute**, 1987 Financial Operating Survey of the Meat Industry*

[1,2,3]Defined as companies participating in the AMI survey that
[1]slaughter livestock and have sales primarily of fresh meat.
[2]slaughter livestock and have sales of processed meats equivalent to two-thirds or more of total sales.
[3]do not slaughter livestock and are primarily involved in the manufacture and sale of processed meats

Totals may not add due to rounding

Breakdown of Packers' and Packer/Processors' 1987 Sales Dollar by Species Slaughtered

ITEM	CATTLE PACKERS OR PACKER/PROCESSORS[1]	HOG PACKERS OR PACKER/PROCESSORS[1]
Total Sales	100.00%	100.00%
Livestock and/or Meat	90.36	69.88
Supplies & Containers	1.53	5.54
Production Labor	2.89	5.30
Cost of Goods Sold	94.79	80.72
Gross Margin	5.27	19.28
Other Wages and Salaries	.75	3.89
Employee Benefits:		
Retirement Expense	.04	.20
Payroll Taxes	.33	.75
Insurance & Hospitalization	.36	1.17
All Other Benefits	.16	.58
Total Benefits	.89	2.69
Interest	.19	.34
Depreciation	.41	.99
Rents	.06	.39
General & Administrative Insurance	.15	.17
Taxes*	.09	.17
All Other Expenses	2.47	6.12
Total Expenses	96.79	97.46
Earnings Before Taxes	.30	2.60
Income Taxes	.10	1.14
Net Earnings	.19	1.47

***Source: American Meat Institute*, 1987 Financial Operating Survey of the Meat Industry**

[1]Refers to participants in AMI survey whose slaughter of identified species represented at least 75% of their total live weight slaughter

**Other than Social Security and Income Taxes*

Totals may not add due to rounding

Breakdown of Hog Packers' and Packer/Processors' 1987 Sales Dollar by Percent of Fresh Meat Sales

ITEM	FRESH MEAT SALES AS % OF TOTAL SALES		
	Greater than 67%	34–66%	Less than 33%
Total Sales	100.00%	100.00%	100.00%
Livestock and/or Meat	78.38	76.94	62.07
Supplies & Containers	4.10	4.53	6.73
Production Labor	6.05	5.03	5.21
Cost of Goods Sold	88.52	86.51	74.01
Gross Margin	11.48	13.48	25.99
Other Wages and Salaries	2.22	3.54	4.55
Employee Benefits:			
Retirement Expense	.20	.24	.13
Payroll Taxes	.73	.52	.90
Insurance & Hospitalization	1.19	.83	1.39
All Other Benefits	.57	.33	.76
Total Benefits	2.70	1.92	3.17
Interest	.28	.43	.31
Depreciation	.61	.77	1.28
Rents	.51	.42	.32
General & Administrative Insurance	.27	.17	.14
Taxes*	.14	.08	.25
All Other Expenses	4.48	4.94	11.58
Total Expenses	99.81	98.77	95.60
Earnings Before Taxes	.19	1.23	4.40
Income Taxes	.02	.45	2.00
Net Earnings	.17	.78	2.40

Source: American Meat Institute, 1987 Financial Operating Survey of the Meat Industry

**Other than Social Security and Income Taxes*

Totals may not add due to rounding

Employment and Earnings for Meat Packing and Meat Processing Industries Compared with All Food and All Manufacturing

ITEM	UNIT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAT PACKING							
Total Employees	Thousand	193.3	166.2	140.3	137.7	[illegible]	142.2
Production Workers	Thousand	149.1	135.7	116.5	115.3	113.8	118.1
Avg. Weekly Earnings	Dollars	$125.16	$234.74	$332.91	$337.02	$360.70	$362.35
Avg. Weekly Hours	Hours	42.4	41.4	41.1	40.9	41.7	41.6
Avg. Hourly Earnings	Dollars	$2.95	$5.67	$8.10	$8.24	$8.41	$8.47
MEAT PROCESSING							
Total Employees	Thousand	52.0	67.2	74.5	77.2	78.5	80.5
Production Workers	Thousand	37.2	47.3	54.8	56.9	58.6	59.0
Avg. Weekly Earnings	Dollars	$114.54	$217.92	$333.10	$351.28	$357.54	$366.42
Avg. Weekly Hours	Hours	41.2	40.6	40.4	40.1	40.4	40.6
Avg. Hourly Earnings	Dollars	$2.78	$5.36	$8.74	$8.76	$8.85	$9.03
ALL FOOD							
Total Employees	Thousand	1,756.7	1,857.5	1,902.5	1,909.3	1,923.9	1,945.3
Production Workers	Thousand	1,159.1	1,120.3	1,118.1	1,131.2	1,149.1	1,166.3
Avg. Weekly Earnings	Dollars	$99.87	$185.78	$342.80	$360.00	$369.30	$368.94
Avg. Weekly Hours	Hours	41.1	40.5	40.0	40.0	40.2	40.4
Avg. Hourly Earnings	Dollars	$2.43	$4.61	$8.57	$8.75	$8.94	$9.11
ALL MANUFACTURING							
Total Employees	Thousand	18,082.0	18,323.0	19,250.0	18,061.0	19,086.0	19,539.0
Production Workers	Thousand	13,434.0	13,043.0	13,092.0	12,877.0	12,995.0	13,388.0
Avg. Weekly Earnings	Dollars	$107.53	$190.79	$336.37	$396.01	$406.31	$417.99
Avg. Weekly Hours	Hours	41.2	39.5	40.5	40.7	41.0	41.1
Avg. Hourly Earnings	Dollars	$2.61	$4.83	$8.54	$9.73	$9.91	$10.17

Source: U.S. Department of Labor

Injury and Illness Incidence Rates in Meat Packing, 1980-87

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
	PER 100 EMPLOYEES							
Injuries & Illnesses	33.5	32.8	30.7	31.4	33.4	30.4	33.4	38.4
Injuries	31.0	29.7	27.7	27.4	29.0	26.3	27.0	30.4
Illnesses	2.5	3.1	3.0	4.0	4.4	4.1	6.4	8.0

Incidence Rates and Lost Workdays in Meat Packing, 1984-87

ITEM	1984	1985	1986	1987
	PER 100 EMPLOYEES			
	TOTAL INJURIES AND ILLNESSES			
Total Reportable Cases	33.4	30.4	33.4	38.4
Lost Workday Cases	16.3	15.1	14.7	17.8
Non-Lost Workday Cases	17.2	15.2	18.7	20.7
Lost Workdays	232.3	246.1	288.4	339.7
	INJURIES			
Total Reportable Cases	29.0	26.3	27.0	30.4
Lost Workday Cases	13.9	13.0	12.2	13.6
Non-Lost Workday Cases	15.0	13.3	14.8	16.8
Lost Workdays	190.2	200.3	190.3	241.9
	ILLNESSES			
Total Reportable Cases	4.4	4.1	6.4	8.0
Lost Workday Cases	2.3	2.1	2.6	4.1
Non-Lost Workday Cases	2.2	1.9	3.9	3.9
Lost Workdays	42.1	45.8	48.1	97.8

Meat Animals, Meat and Related Meat & Livestock Products: Value of United States Imports and Exports, 1986–88

COMMODITY	IMPORTS			EXPORTS		
	1986	1987	1988	1986	1987	1988
	Million Dollars					
LIVE ANIMALS						
Cattle and Calves	$441.3	$421.4	$598.3	$110.9	$105.2	$201.8
Hogs	60.2	49.5	78.9	9.2	6.2	16.7
Sheep and Lambs	1.7	2.4	3.9	5.6	2.4	8.3
MEAT						
Beef and Veal	1,288.5	1,562.2	1,679.3	634.3	771.2	1,109.0
Pork	1,000.7	1,096.3	933.5	83.9	128.9	249.4
Lamb, Mutton & Goat	30.3	32.7	39.9	2.5	2.7	3.0
Processed Meats[1]	8.3	13.0	8.3	9.3	13.3	21.7
Variety Meats and Edible Offal	25.9	32.4	32.5	365.3	358.1	470.7
Tallow, Greases and Lard	4.4	4.0	4.3	369.2	419.1	558.6
Inedible Offal	0	0	0	17.4	15.6	28.2
Casings	52.0	61.1	69.1	19.3	24.3	30.0
Hides and Skins	49.9	59.3	73.4	1,303.3	1,428.7	1,605.0
Wool	160.6	205.3	292.5	1.4	2.1	6.7
Other[2]	24.3	30.0	32.7	83.6	81.2	118.0
TOTAL	**3,148.1**	**3,569.6**	**3,813.9**	**3,015.2**	**3,359.0**	**4,427.1**

Source: U.S. Department of Agriculture

[1]Not separately identified by species

[2]Meat meal, tankage, hair, bristles, semen, glands, embryos, etc.

U.S. Imports, Exports, and Net Imports of Beef and Veal, Pork, Lamb and Mutton, and Total Meat in Relation to Domestic Production, 1979–88

	PRODUCTION	IMPORTS	EXPORTS & SHIPMENTS	NET IMPORTS	PERCENTAGE OF U.S. PRODUCTION: IMPORTS	EXPORTS	NET IMPORTS
	Million Pounds[1]				Percent		
			BEEF AND VEAL				
1979	21,880	2,431	222	2,209	11.1%	1.0%	10.1%
1980	22,044	2,085	223	1,862	9.5	1.0	8.4
1981	22,825	1,761	258	1,503	7.7	1.1	6.6
1982	22,984	1,958	310	1,648	8.5	1.3	7.2
1983	23,695	1,950	317	1,633	8.2	1.3	6.9
1984	24,091	1,847	383	1,464	7.7	1.6	6.1
1985	24,242	2,268	384	1,884	9.4	1.6	7.8
1986	24,895	2,156	579	1,577	8.7	2.3	6.3
1987	23,995	2,293	664	1,629	9.6	2.8	6.8
1988	23,985	2,406	752	1,654	10.0	3.1	6.9
			PORK				
1979	15,450	499	448	51	3.2	2.9	.3
1980	16,615	550	417	133	3.3	2.5	.8
1981	15,875	541	452	89	3.4	2.8	.6
1982	14,229	612	365	247	4.3	2.6	1.7
1983	15,202	702	361	341	4.6	2.4	2.2
1984	14,812	954	311	643	6.4	2.1	4.3
1985	14,805	1,128	259	869	7.6	1.7	5.9
1986	14,063	1,122	218	904	8.0	1.6	6.4
1987	14,374	1,195	233	962	8.3	1.6	6.7
1988	15,684	1,137	330	807	7.2	2.1	5.1
			LAMB AND MUTTON				
1979	275	44	3	41	16.0	1.1	15.0
1980	318	33	4	29	10.4	1.3	9.1
1981	338	31	5	26	9.2	1.5	7.7
1982	365	19	4	15	5.2	1.1	4.1
1983	376	19	4	15	5.1	1.1	4.0
1984	380	20	5	15	5.3	1.3	3.9
1985	357	36	3	33	10.0	.8	9.2
1986	338	41	4	37	12.1	1.2	11.0
1987	315	44	3	41	14.0	1.0	13.0
1988	335	51	2	49	15.2	.6	14.6
			TOTAL MEAT				
1979	37,623	2,974	673	2,301	7.9	1.8	6.1
1980	38,977	2,664	642	2,022	6.8	1.6	5.2
1981	39,038	2,333	715	1,618	6.0	1.8	4.1
1982	37,578	2,589	679	1,910	6.9	1.8	5.1
1983	39,272	2,670	682	1,988	6.8	1.7	5.1
1984	39,283	2,821	699	2,122	7.2	1.8	5.4
1985	39,404	3,432	646	2,786	8.7	1.6	7.1
1986	**39,296**	**3,319**	**801**	**2,518**	**8.5**	**2.0**	**6.4**
1987	**38,684**	**3,532**	**900**	**2,632**	**9.1**	**2.3**	**6.8**
1988	**40,004**	**3,594**	**1,084**	**2,510**	**9.0**	**2.7**	**6.3**

Source: U.S. Department of Agriculture
[1]Carcass weight equivalent

U.S. Imports of Selected Red Meat Products by Major Markets, 1986–88

Product and Country	QUANTITY (Million Pounds) 1986	1987	1988	VALUE (Million Dollars) 1986	1987	1988
Boneless Beef	**1,309.1**	**1,394.5**	**1,478.1**	**$1,038.9**	**$1,254.1**	**$1,411.3**
Australia	690.2	729.8	788.8	538.2	652.1	754.9
New Zealand	362.4	441.4	463.6	282.8	389.7	445.4
Canada	105.4	89.7	86.8	79.9	78.2	69.1
Costa Rica	76.9	60.1	51.9	71.9	64.6	56.4
Canned Corned Beef	**72.2**	**81.4**	**86.6**	**68.0**	**99.2**	**78.0**
Brazil	35.7	38.0	47.5	33.8	46.7	42.8
Argentina	31.9	41.5	37.1	29.5	49.8	32.8
Uruguay	3.5	1.4	1.4	3.4	1.7	1.3
Fresh or Frozen Pork	**580.9**	**664.9**	**621.6**	**485.3**	**578.4**	**475.5**
Canada	457.9	511.7	469.8	364.5	428.0	341.2
Denmark	103.1	126.7	126.0	102.6	127.5	112.5
Canned Hams & Shoulders	**320.2**	**301.7**	**291.7**	**474.4**	**462.1**	**403.5**
Denmark	161.7	130.1	119.1	255.0	219.3	183.9
Poland	79.9	81.5	84.2	114.3	119.5	111.0

Source: U.S. Department of Commerce

U.S. Exports of Selected Red Meat and Livestock Products by Major Markets, 1986–88

Product and Country	Quantity (Million Pounds)			Value (Million Dollars)		
	1986	1987	1988	1986	1987	1988
Fresh or Frozen Beef and Veal	**383.3**	**441.3**	**473.0**	**$593.4**	**$728.5**	**$1,043.1**
Japan	243.9	276.0	349.1	467.6	543.8	811.6
Canada	13.4	26.2	35.6	24.4	50.2	69.5
Mexico	.5	5.9	31.0	.9	5.0	36.6
European Community	3.4	17.3	16.4	7.0	30.7	30.9
Fresh or Frozen Pork	**46.2**	**64.3**	**120.4**	**71.4**	**114.8**	**226.9**
Japan	26.6	43.0	84.2	52.9	90.5	181.8
Mexico	.7	4.4	22.4	.6	3.9	23.7
Canada	4.9	4.6	4.1	6.5	7.1	6.5
Sweden	.5	1.2	1.9	1.1	3.8	5.4
European Community	3.7	2.4	1.1	2.1	1.8	2.0
Variety Meats	**531.4**	**490.2**	**666.0**	**326.4**	**336.2**	**442.0**
Beef	**446.1**	**403.1**	**473.0**	**289.7**	**305.5**	**375.1**
Japan	106.6	119.5	148.6	119.9	140.4	176.7
European Community	158.1	141.7	132.4	93.3	100.9	97.0
Mexico	66.8	50.5	80.6	21.7	15.8	44.9
Canada	12.4	19.7	21.1	13.0	20.5	24.7
Egypt	51.8	42.7	63.5	17.1	11.4	15.3
Pork	**75.1**	**78.1**	**185.2**	**31.1**	**25.5**	**62.3**
Mexico	21.2	34.8	124.9	5.9	8.8	40.8
European Community	30.7	20.4	23.5	12.1	9.1	8.0
Inedible Tallow and White Grease	**2,515.4**	**2,370.6**	**2,692.6**	**354.0**	**363.5**	**479.7**
European Community	500.8	337.7	416.0	65.3	44.9	68.0
Egypt	314.8	299.1	324.0	41.8	45.5	55.9
Mexico	208.6	318.3	266.5	32.9	52.0	50.0
Colombia	114.3	135.8	178.3	15.9	20.2	30.5
South Korea	146.3	168.7	170.5	17.5	24.2	29.5
Cattle Hides (Whole)	—	—	—	**1,195.5**	**1,306.2**	**1,465.1**
South Korea	—	—	—	450.0	577.5	636.9
Japan	—	—	—	304.7	332.6	415.6
Taiwan	—	—	—	156.5	172.3	156.9
Mexico	—	—	—	42.0	65.8	89.6
European Community	—	—	—	112.0	52.4	40.4

Source: U.S. Department of Commerce

U.S. Canned Ham Imports by Country, 1970-88

	Denmark	Nether-lands	Czecho-slovakia	Hungary	Poland	Yugo-slavia	Romania	Other	Total
					Million Pounds				
1970	104.3	80.9	2.5	3.5	45.7	10.5	—	4.2	251.6
1971	116.6	81.0	1.8	4.6	46.1	10.7	0.4	4.0	265.1
1972	135.7	74.3	0.6	6.2	59.6	15.0	3.9	4.0	299.3
1973	126.4	92.4	0.3	5.0	54.0	19.0	6.0	4.1	307.1
1974	112.0	77.7	0.8	7.8	58.0	19.6	8.4	4.0	288.5
1975	88.5	68.6	0.3	9.8	75.1	26.4	5.9	3.1	277.9
1976	84.2	52.6	1.4	11.3	75.9	30.1	6.7	4.9	267.2
1977	87.7	32.9	1.6	12.9	71.2	34.4	8.0	3.0	251.6
1978	88.1	19.8	2.7	15.2	79.9	43.3	9.9	3.5	262.4
1979	71.5	7.6	3.2	15.6	90.0	32.4	13.2	2.4	236.0
1980	57.7	7.1	3.4	14.4	90.7	19.3	13.1	4.6	210.2
1981	70.7	13.7	3.5	14.0	55.9	21.8	11.6	6.8	197.8
1982	96.0	18.7	3.5	12.8	34.2	26.0	5.8	9.2	206.2
1983	122.8	18.3	1.4	20.3	58.5	21.7	7.1	9.7	259.2
1984	147.2	20.9	1.8	23.6	56.6	31.0	5.2	10.2	296.5
1985	176.3	19.5	2.6	30.6	70.7	20.6	3.4	14.2	337.9
1986	158.3	6.0	2.1	24.7	78.3	18.5	5.7	17.8	311.4
1987	130.1	6.9	2.2	25.8	81.5	22.9	10.9	19.6	299.9
1988	119.1	9.7	2.3	22.2	84.2	25.7	8.5	18.4	290.1

Source: U.S. Department of Commerce

World Meat Trade in Selected Countries[1], 1988

	BEEF & VEAL		PORK		LAMB & MUTTON	
	Imports	Exports	Imports	Exports	Imports	Exports
	Thousand Metric Tons, Carcass Equivalent					
NORTH AMERICA						
Canada	125	76	10	260	N.A.	N.A.
Mexico	1	1	1	0	3	N.A.
United States	1,091	341	516	150	23	1
CENTRAL AMERICA						
Costa Rica	N.A.	19	N.A.	N.A.	N.A.	N.A.
Guatemala	N.A.	13	N.A.	N.A.	N.A.	N.A.
Honduras	N.A.	12	N.A.	N.A.	N.A.	N.A.
SOUTH AMERICA						
Argentina	N.A.	310	N.A.	N.A.	N.A.	8
Brazil	70	420	0	8	N.A.	N.A.
Uruguay	N.A.	130	N.A.	N.A.	N.A.	10
WESTERN EUROPE						
Belgium-Luxembourg	31	94	31	321	14	4
Denmark	28	165	3	783	3	N.A.
France	285	420	448	150	96	5
West Germany	300	450	600	125	26	2
Greece	170	N.A.	52	N.A.	14	N.A.
Ireland	13	399	22	41	N.A.	27
Italy	475	105	465	58	20	N.A.
Netherlands	70	310	40	960	4	8
Portugal	20	N.A.	14	N.A.	4	1
Spain	33	11	40	2	11	10
United Kingdom	400	150	535	55	125	79
European Community*	494	781	103	366	199	7
Austria	2	55	0	4	N.A.	N.A.
Finland	N.A.	12	N.A.	8	N.A.	N.A.
Sweden	19	4	17	36	N.A.	N.A.
EASTERN EUROPE						
Czechoslovakia	10	40	5	35	N.A.	3
East Germany	N.A.	28	N.A.	313	N.A.	8
Hungary	15	40	N.A.	118	N.A.	2
Poland	45	11	26	70	N.A.	N.A.
Romania	N.A.	115	0	150	N.A.	45
Yugoslavia	35	35	5	20	N.A.	8
U.S.S.R.	200	7	300	6	35	1
ASIA						
China	N.A.	38	N.A.	205	N.A.	N.A.
Hong Kong	83	1	192	N.A.	N.A.	N.A.
Japan	375	N.A.	460	N.A.	155	N.A.
Taiwan	42	N.A.	N.A.	180	N.A.	N.A.
OCEANIA						
Australia	N.A.	910	N.A.	8	N.A.	237
New Zealand	N.A.	407	3	0	N.A.	481

Source: U.S. Department of Agriculture

[1]Preliminary data for countries other than U.S.

**Excludes intra-EC trade; figures for EC countries reflect third country trade as well as intra-EC trade*

Note: Figures are reported in thousands of metric tons. A metric ton is equivalent to 2,204.6 pounds

N.A.—Not Available

Per Capita Meat Disappearance in Selected Countries,[1] 1988

REGION & COUNTRY	BEEF & VEAL	PORK	LAMB, MUTTON & GOAT	POULTRY
	Pounds Per Person[2]			
NORTH AMERICA				
Canada	87.1	62.6	N.A.	59.5
Mexico	35.1	24.3	2.0	12.1
United States	104.0	66.7	1.6	80.5
SOUTH AMERICA				
Argentina	155.0	N.A.	5.1	29.5
Brazil	30.4	16.3	N.A.	24.7
Colombia	44.5	8.8	N.A.	N.A.
Uruguay	135.1	N.A.	46.7	N.A.
Venezuela	36.4	17.2	N.A.	46.7
WESTERN EUROPE				
Belgium-Luxembourg	57.3	107.6	4.0	36.2
Denmark	34.8	148.4	1.8	25.8
France	65.0	75.6	9.9	42.5
West Germany	52.9	119.7	2.0	23.8
Greece	56.4	48.5	30.2	34.0
Ireland	47.6	71.0	15.0	37.0
Italy	59.5	62.4	3.5	39.0
Netherlands	41.4	93.5	1.1	34.0
Portugal	29.3	52.5	7.1	43.7
Spain	26.5	85.5	13.2	47.0
United Kingdom	47.2	58.9	14.3	43.0
European Community Average	50.5	81.1	8.4	37.9
Austria	49.6	112.7	N.A.	28.7
Finland	46.1	72.3	N.A.	12.8
Sweden	38.4	69.2	N.A.	12.6
Switzerland	62.2	97.9	N.A.	23.4
MIDDLE EAST				
Israel	41.4	N.A.	N.A.	74.7
Saudi Arabia	13.0	N.A.	N.A.	77.4
AFRICA				
Egypt	28.9	N.A.	2.2	8.4
South Africa	41.9	N.A.	13.0	37.5
ASIA				
China	1.5	37.5	1.8	N.A.
Taiwan	5.1	83.6	N.A.	41.9
Japan	17.4	37.0	2.9	30.9
South Korea	10.1	20.7	.2	7.5
OCEANIA				
Australia	87.5	39.9	48.7	58.0
New Zealand	86.6	30.0	60.0	32.0

Source: U.S. Department of Agriculture

[1]*Preliminary data for countries other than U.S.*

[2]*Carcass weight basis*

N.A.—Not Available

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